

Works Order : 460447503
 EM Number : 68548
 Engineer : Stuart Mulliner
 Intersection : Outer Circle Road / Wragby Road Lincoln

Administration

General Specifications

Customer Name	<input type="text" value="Lincolnshire County Council"/>	Customer Order No.	<input type="text"/>
Intersection/ General Description	<input type="text" value="Outer Circle Road / Wragby Road Lincoln"/>	Controller/ Serial Number	<input type="text" value="J03151"/>
Controller	<input checked="" type="radio"/> New <input type="radio"/> Modification	S.T.S. /EM Number	<input type="text" value="68548"/> Issue <input type="text" value="3"/>
Area Specifications/ Customer Drawings	<input type="text" value="A/TS/PROJ/24/01"/>	Equipment Installation by	<input type="text"/>
Specification Section	<input type="text"/>	Slot Cutting by	<input type="text"/>
Contract/Tender Ref.	<input type="text"/>	Civil Works by	<input type="text"/>
Quotation No.	<input type="text"/>	Customer's Engineer	<input type="text" value="Liam T Shasby"/>
Works Order No.	<input type="text" value="460447503"/>	Telephone Number	<input type="text" value="01522-553034"/>

Signal Company Use Only

Signal Engineer	<input type="text" value="Stuart Mulliner"/>	(IF Prom Label as >) Prom Number	<input type="text" value="16276"/>	Prom Variant	<input type="text" value="548"/>
		Configuration Check Value	<input type="text" value="4 88 BC C7"/>		

Controller Options

Hardware	<input type="text" value="T800"/>	Firmware Type and Issue	<input type="text" value="PB800 ISS 18"/>	Other Options	<input type="text" value="KTD LO"/>
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ST900/ST750 Series Cabinet Options

Cabinet/Rack	Kit Type Options	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cabinet/Rack Variant	Cuckoo Options	<input type="checkbox"/>			

Mains Supply	<input type="text" value="240"/>	Volts	<input type="text" value="50"/>	Hz				
Peak Lamp Current	<input type="text" value="15"/>	Amps	Dimming Voltage	<input type="text" value="160"/>	Answer Issue	<input type="text" value="0"/>	Date Created	<input type="text" value="21/11/02"/>
Average Lamp Power	<input type="text" value="3000"/>	Watts			Edit Issue	<input type="text" value="13"/>		
Total Average Power	<input type="text" value="3200"/>	Watts						

Power feed fuse rating: requires 30 Amp minimum for controller, 15 Amp minimum for pelican/lightly loaded controller

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Streams, Stages, Phases Control

Select Object to Add/Delete/Insert

<input type="radio"/>	Streams Current Number of Streams <input type="text" value="1"/>	<input type="radio"/>	Phases Current Total Number of Phases <input type="text" value="14"/> <input checked="" type="radio"/> Number of Real Phases <input type="text" value="14"/> <input type="radio"/> Number of Dummy Phases <input type="text" value="0"/>
<input type="radio"/>	Stages Current Number of stages (inc. ALL-RED stages) <input type="text" value="7"/>	<input type="radio"/>	Switched Signs Number of Switched Signs <input type="text" value="0"/>

Action

<input type="button" value="Add At"/>	<input type="button" value="Delete At"/>
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Facilities/Modes Enabled and Mode Priority Levels

Facilities

<input checked="" type="checkbox"/> Manual Control	<input type="checkbox"/> Part Time	<input type="checkbox"/> London IMU	<input checked="" type="checkbox"/> Pelican/Puffin/Toucan Facilities
<input type="checkbox"/> Manual Step On Mode	<input checked="" type="checkbox"/> Master Time Clock		<input type="checkbox"/> Standalone Manual
<input checked="" type="checkbox"/> CLF (Base Time)	<input checked="" type="checkbox"/> RED Lamp Monitoring	<input type="checkbox"/> Extend All Red	<input type="checkbox"/> Holiday Clock
<input type="checkbox"/> CLF (non-Base Time)	<input checked="" type="checkbox"/> Lamp Monitoring	<input type="checkbox"/> Fail To Hardware Flashing	<input type="checkbox"/> Fail to Part Time
<input checked="" type="checkbox"/> UTC Facility	<input type="checkbox"/> Linked Fixed Time	<input checked="" type="checkbox"/> Ripple Change	<input type="checkbox"/> Serial MOVA
<input type="checkbox"/> Hurry Call Mode	<input checked="" type="checkbox"/> FT To Current MAX	<input type="checkbox"/> Non-UK	<input type="checkbox"/> Serial UTC
<input type="checkbox"/> Priority	<input checked="" type="checkbox"/> Speed Measurement		<input type="checkbox"/>
<input type="checkbox"/> Emergency Vehicles	<input type="checkbox"/> Download To Level 3		<input checked="" type="checkbox"/> Integral OTU

Starting Intergreen

Mode Priority

PRIORITY	1	2	3	4	5	6	7	8	9	10	11
Part Time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Emergency Vehicle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hurry Call	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Selected Man Cntrl	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
UTC	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Manual Step On	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Selected FT or VA or CLF	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cableless Link (CLF)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Priority Vehicle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vehicle Actuated	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Fixed Time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Configuration Complexity

Low
 Medium
 High
 Maximum

standard.8DF

Default PROM data file

Correspondence Monitoring to inc.

Reds Ambers
 Switched Signs Ignore Reds and Ambers during Fail to Part Time

Flash Rate (ms)

Off On

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Phases in Stages

Phases

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
0														
1	■	■						■				■		
2	■		■					■		■		■	□	
3				■			□			■		■		■
4					■			■		■	□			■
5					■	■		■						■
6						■		■	□			■		■

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Phase Type and Conditions

Phase Type and Conditions

Phases A to P

Phase	Title	Type	App. Type	Term. Type	Assoc. Phase
A	Wragby Road Eastbound Ahead and Left	0 - UK Traffic	0	0 - f	
B	Wragby Road Westbound	0 - UK Traffic	0	0 - f	
C	Wragby Road Eastbound Right Turn	0 - UK Traffic	0	0 - f	
D	Outer Circle Drive	0 - UK Traffic	0	0 - f	
E	Outer Circle Road	0 - UK Traffic	0	0 - f	
F	Wragby Road Westbound Left Turn Filter Arrow	2 - UK GreenArrow	0	1 - f	B
G	Pedestrians across Outer Circle Drive Westside	1 - UK Far Side Pedestrian	0	0 - f	
H	Pedestrians across Outer Circle Drive Eastside	1 - UK Far Side Pedestrian	0	0 - f	
I	Pedestrians across Wragby Road Westbound Northside	1 - UK Far Side Pedestrian	0	0 - f	
J	Pedestrians across Wragby Road Westbound Southside	1 - UK Far Side Pedestrian	0	0 - f	
K	Toucan across Outer Circle Road Eastside	1 - UK Far Side Pedestrian	0	0 - f	
L	Toucan across Outer Circle Road Westside	1 - UK Far Side Pedestrian	0	0 - f	
M	Toucan across Wragby Road Eastbound Southside	1 - UK Far Side Pedestrian	0	0 - f	
N	Toucan across Wragby Road Eastbound Northside	1 - UK Far Side Pedestrian	0	0 - f	

- 1) App Types: 0 = Always Appears, 1 = Appears if dem'd prior to interstage, 2 = If dem'd, 3 = If dem'd before end of window time
 2) Term Types: 0 = Term's at end of stage, 1 = Term's when Assoc phase gains R.O.W, 2 = Term's when Assoc phase loses R.O.W.
 3) The H/W Fail Flash fields are for information only on all but ST900ELV Controllers. For other controllers, physical switches or links (etc.) select which aspects flash and these need to be set up manually.

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Stages in Streams

Stream Data	0	1	2	3	4	5	6	7
Phase or Stage to revert to in absence of demands/extensions	<input type="text" value="1"/>							
Startup Stage	<input type="text" value="1"/>							
Part-Time switch off stage								
Standalone Pedestrian	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NB : For a Stand-Alone Stream, the reversion must be to All Red stage or Traffic stage/phase to meet the relevant standard or specification.

Stages

	0	1	2	3	4	5	6
In Stream	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Opposing and Conflicting Phases

Select Stream(s) To Configure

All
 0

Initialise

To Phase

From Phase

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
A		o	o	Co	Co	o	Co	o	Co	o	o	o	o	Co
B	o		Co	Co	Co	o	Co	o	o	Co	Co	o	Co	o
C	o	Co		Co	Co	Co	o	o	o	o	Co	o	o	Co
D	Co	Co	Co		Co	Co	o	Co	Co	o	Co	o	Co	o
E	Co	Co	Co	Co		o	Co	o	Co	o	o	Co	Co	o
F	o	o	Co	Co	o		o	o	o	Co	Co	o	o	o
G	Co	Co	o	o	Co	o		o	o	o	o	o	o	o
H	o	o	o	Co	o	o	o		o	o	o	o	o	o
I	Co	o	o	Co	Co	o	o	o		o	o	o	o	o
J	o	Co	o	o	o	Co	o	o	o		o	o	o	o
K	o	Co	Co	Co	o	Co	o	o	o	o		o	o	o
L	o	o	o	o	Co	o	o	o	o	o	o		o	o
M	o	Co	o	Co	Co	o	o	o	o	o	o	o		o
N	Co	o	Co	o	o	o	o	o	o	o	o	o	o	

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Phase Minimums, Maximums, Extensions, Ped. Leaving periods

Phase Minimums, Maximums, Extensions, Ped. Leaving periods

Phases A to P

Phase	Min Green	Min Ped Cr	Extensions	Maximums								Pre-timed
				A	B	C	D	E	F	G	H	
A	7	0	0.0	12	16	20	22	20	12	20	30	<input type="checkbox"/>
B	7	0	0.0	40	30	18	30	20	40	16	16	<input type="checkbox"/>
C	7	0	0.0	12	12	16	18	20	12	20	25	<input type="checkbox"/>
D	7	0	0.0	16	16	16	16	20	12	20	30	<input type="checkbox"/>
E	7	0	0.0	16	26	40	30	20	40	16	20	<input type="checkbox"/>
F	0	0	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
G	6	0	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
H	6	0	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
I	6	0	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
J	6	0	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
K	6	3	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
L	6	3	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
M	6	3	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
N	6	3	0.0	0	0	0	0	0	0	0	0	<input type="checkbox"/>
												<input type="checkbox"/>
												<input type="checkbox"/>

NB: For Standalone Streams see Help for use of Max. Sets.

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Phase Intergreen Times

Select Stream(s) To Configure

All
 0

NB: On a Stand Alone Pelican/Toucan/Puffin Stream the Intergreens between Pedestrian and Traffic Phases are controlled by the timings (PBT, PIT, CMX, CDY, CRD and PAR), therefore 0 should be entered for the appropriate intergreen times in grid below

To Phase

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
From Phase				6	6		9		10					5
			5	5	6		12			5	9		10	
		5		5	5	7					12			5
	5	6	5		7	6		5	9		10		12	
	6	6	5	6			10		12			5	8	
			5	5						5	9			
	6	6			6									
				6										
	7			7	7									
		7				7								
		0	0	0		0								
					0									
		0		0	0									
	0		0											

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Handset Intergreen Limits

HIGH

To Phase

		A	B	C	D	E	F	G	H	I	J	K	L	M	N
From Phase	A				5	5		7		8					5
	B			5	5	5		10			5	7		8	
	C		5		5	5	5					10			5
	D	5	5	5		5	5		5	6		7		8	
	E	5	5	5	5			8		10			5	6	
	F			5	5						5	7			
	G	5	5			5									
	H				5										
	I	5			5	5									
	J		5				5								
	K														
	L														
	M														
	N														

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Phase Timing Handset Ranges

Phase Timing Handset Ranges

Initialise Min Green Limits

Phase	Min. Green		Phase	Min. Green	
	Min.	Max.		Min.	Max.
A	6	20	Q		
B	6	20	R		
C	6	20	S		
D	6	20	T		
E	6	20	U		
F	0	20	V		
G	5	20	W		
H	5	20	X		
I	5	20	Y		
J	5	20	Z		
K	5	20	A2		
L	5	20	B2		
M	5	20	C2		
N	5	20	D2		
O			E2		
P			F2		

Max. Green	
Min. <input style="width: 50px;" type="text" value="0"/>	Max. <input style="width: 50px;" type="text" value="255"/>

Vehicle Extension	
Min. <input style="width: 50px;" type="text" value="0.0"/>	Max. <input style="width: 50px;" type="text" value="10.0"/>

Phase Delay	
Min. <input style="width: 50px;" type="text" value="0"/>	Max. <input style="width: 50px;" type="text" value="30"/>

Starting I/G	
Min. <input style="width: 50px;" type="text" value="7"/>	Max. <input style="width: 50px;" type="text" value="15"/>

Min Ped Clr (PBT)	
Min. <input style="width: 50px;" type="text" value="0"/>	Max. <input style="width: 50px;" type="text" value="12"/>

Traffic Phase Leaving	
Min. <input style="width: 50px;" type="text" value="3.0"/>	Max. <input style="width: 50px;" type="text" value="3.0"/>

Traffic Phase Red/Amber	
Min. <input style="width: 50px;" type="text" value="2"/>	Max. <input style="width: 50px;" type="text" value="2"/>

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Phase Internal/Revertive Demands

Phase Internal/Revertive Demands

Start-up Vehicle Responsive Demands

A	<input checked="" type="checkbox"/>	B	<input checked="" type="checkbox"/>	C	<input checked="" type="checkbox"/>	D	<input checked="" type="checkbox"/>	E	<input checked="" type="checkbox"/>	F	<input checked="" type="checkbox"/>	G	<input checked="" type="checkbox"/>	H	<input checked="" type="checkbox"/>	I	<input checked="" type="checkbox"/>	J	<input checked="" type="checkbox"/>	K	<input checked="" type="checkbox"/>	L	<input checked="" type="checkbox"/>	M	<input checked="" type="checkbox"/>	N	<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		

Demands Inserted When Leaving Manual and Fixed Time Modes

A	<input checked="" type="checkbox"/>	B	<input checked="" type="checkbox"/>	C	<input checked="" type="checkbox"/>	D	<input checked="" type="checkbox"/>	E	<input checked="" type="checkbox"/>	F	<input checked="" type="checkbox"/>	G	<input checked="" type="checkbox"/>	H	<input checked="" type="checkbox"/>	I	<input checked="" type="checkbox"/>	J	<input checked="" type="checkbox"/>	K	<input checked="" type="checkbox"/>	L	<input checked="" type="checkbox"/>	M	<input checked="" type="checkbox"/>	N	<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		

Unlatched Demands that Start Max Timers

A	<input checked="" type="checkbox"/>	B	<input checked="" type="checkbox"/>	C	<input checked="" type="checkbox"/>	D	<input checked="" type="checkbox"/>	E	<input checked="" type="checkbox"/>	F	<input checked="" type="checkbox"/>	G	<input checked="" type="checkbox"/>	H	<input checked="" type="checkbox"/>	I	<input checked="" type="checkbox"/>	J	<input checked="" type="checkbox"/>	K	<input checked="" type="checkbox"/>	L	<input checked="" type="checkbox"/>	M	<input checked="" type="checkbox"/>	N	<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		

Revertive Phase Demands

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Q	R	S	T	U	V	W	X	Y	Z	A2	B2	C2	D2	E2	F2

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Stream - Pelican/Puffin/Toucan Times

Stream - Pelican/Puffin/Toucan Times

Pedestrian Enable VA Mode (PEV)

								Streams								
0	1	2	3	4	5	6	7									

Pedestrian All Red Times (Vehicle to Pedestrian)

Streams	0	1	2	3	4	5	6	7
(PAR n 0) VA Gap Change								
(PAR n 1) VA Max Change								
(PAR n 2) FVP Change								
(PAR n 3) UTC Change								
(PAR n 4) Local Link Change								

Handset Range Limits

Min	Max
<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="0"/>	<input type="text" value="0"/>

Pelican Intergreen times

(PIT n 0) Veh Red/Ped Flash Green	<input type="text" value="0"/>	<input type="text" value="0"/>
(PIT n 1) Veh Flash Amber/Ped Flash Green	<input type="text" value="0"/>	<input type="text" value="0"/>
(PIT n 2) Veh Flash Amber/Ped red	<input type="text" value="0"/>	<input type="text" value="0"/>
(PIT n 3) Veh Flash Amber/Ped Red Quiescent	<input type="text" value="0"/>	<input type="text" value="0"/>

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Phase - Pelican Puffin and Toucan Times

Phase - Pelican Puffin and Toucan Times

Phase	PDD Ped Dem Del	PDX Demand Hold	CMX Ped Clearance Maximum	CDY 0 Clearance Delay Gap Chng	CDY 1 Clearance Delay Max Chng	CRD Clearance Minimum Red	
A	0	0.0	0	0	0	0	<input checked="" type="radio"/> Phases A to P
B	0	0.0	0	0	0	0	<input type="radio"/>
C	0	0.0	0	0	0	0	<input type="radio"/>
D	0	0.0	0	0	0	0	<input type="radio"/>
E	0	0.0	0	0	0	0	
F	0	0.0	0	0	0	0	
G	0	0.0	0	0	0	0	
H	0	0.0	0	0	0	0	
I	0	0.0	0	0	0	0	
J	0	0.0	0	0	0	0	
K	0	0.0	7	0	3	3	
L	0	0.0	10	0	3	3	
M	0	0.0	7	0	3	3	
N	0	0.0	10	0	3	3	

Handset Range Limits		
	MIN	MAX
Pedestrian Demand delay PDD	0	5
Pedestrian Demand Hold PDX	0.0	0.0
Pedestrian Clearance CMX	0	15
Pedestrian Clearance Delays CDY 0 and CDY1	0	5
Pedestrian Clearance Delay (Red) CRL	0	5

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IO and Link - Pelican/Puffin/Toucan Times

I/O and Link - Pelican/Puffin/Toucan Times

Streams	0	1	2	3	4	5	6	7
---------	---	---	---	---	---	---	---	---

Computer Control

PV

Window Time
UIE

Local Link

PV1

Link Delay Time
LKD

Link Window Time
LKW

Link Override Time
LKO

Kerbside Mat Test
Output

Works Order : 460447503
 EM Number : 68548
 Engineer : Stuart Mulliner
 Intersection : Outer Circle Road / Wragby Road Lincoln

Stage - Prohibited, Alternative, Ignored Moves

Stage - Prohibited, Alternative, Ignored Moves

Sets	Modes	Restrictions ApplyTo	No Restrictions	Modes	Restrictions ApplyTo	No Restrictions
<input checked="" type="radio"/> 1	Urban Traffic Control	<input checked="" type="radio"/>	<input type="radio"/>	Manual	<input checked="" type="radio"/>	<input type="radio"/>
<input type="radio"/> 2	Cableless Linking	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>
<input type="radio"/> 3	Vehicle Actuated	<input checked="" type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>
<input type="radio"/> 4		<input type="radio"/>	<input type="radio"/>		<input type="radio"/>	<input type="radio"/>
	Fixed Time	<input checked="" type="radio"/>	<input type="radio"/>			

To Stage

	0	1	2	3	4	5	6
From Stage							
		5	5	5			5
	1		1	1	1		
	1		1	1	1		

Works Order : 460447503
 EM Number : 68548
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Stage Internal Demands / Ped. Window Times

Stage Internal Demands / Ped. Window Times

Start-up Vehicle Responsive Demands

0	<input type="checkbox"/>	1	<input type="checkbox"/>	2	<input type="checkbox"/>	3	<input type="checkbox"/>	4	<input type="checkbox"/>	5	<input type="checkbox"/>	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Demands Inserted When Leaving Manual and Fixed Time Modes

0	<input type="checkbox"/>	1	<input type="checkbox"/>	2	<input type="checkbox"/>	3	<input type="checkbox"/>	4	<input type="checkbox"/>	5	<input type="checkbox"/>	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Unlatched Demands that Start Maximum Timers

0	<input checked="" type="checkbox"/>	1	<input checked="" type="checkbox"/>	2	<input checked="" type="checkbox"/>	3	<input checked="" type="checkbox"/>	4	<input checked="" type="checkbox"/>	5	<input checked="" type="checkbox"/>	6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Window Times

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

Works Order : 460447503
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Phase delays

Phase delays

- Phase Delays 0-29
 Phase Delays 30-59
 Phase Delays 60-89
 Phase Delays 90-119

No.	Delay Phase	On Change from Stage	To Stage	By (X) Seconds	No.	Delay Phase	On Change from Stage	To Stage	By (X) Seconds
0	A	1	3	3	15				0
1	A	1	5	3	16				0
2	B	1	5	3	17				0
3	F	1	5	9	18				0
4	F	1	6	10	19				0
5	D	3	1	1	20				0
6				0	21				0
7				0	22				0
8				0	23				0
9				0	24				0
10				0	25				0
11				0	26				0
12				0	27				0
13				0	28				0
14				0	29				0

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Fixed Time

Fixed Time

Stage Moves & Times (Not Fixed Time to Current Max)

Current Stage	0	1	2	3	4	5	6	7
Next Stage								
Time								
Current Stage	8	9	10	11	12	13	14	15
Next Stage								
Time								
Current Stage	16	17	18	19	20	21	22	23
Next Stage								
Time								
Current Stage	24	25	26	27	28	29	30	31
Next Stage								
Time								

Phases Demanded and Extended under Fixed Time to Current Max.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Demand	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extend	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Q	R	S	T	U	V	W	X	Y	Z	A2	B2	C2	D2	E2	F2
Demand	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Works Order : 460447503
 EM Number : 68548
 Engineer : Stuart Mulliner
 Intersection : Outer Circle Road / Wragby Road Lincoln

CLF - Plan(s)

CLF - Plan(s)		Group/Influence								CLF Influences 0 = Go To VA 1 = Immediate move 2 = Demand dependner 3 = Hold 4 = Prevent Except To 5 = Add Immediate move 6 = Add Demand Dependent Move 7 = Ignore 8 = Stand Alone Inhibited 9 = Stand Alone Ped Allowed
Plan No.	Copy from	Group No.	Group Offset	Group Influence	Related Stage	Group No.	Group Offset	Group Influence	Related Stage	
0		0	21	2	2	16				
	Copy from	1	22	3	1	17				
Plan Specifics		2	39	1	3	18				
0	Influence Set	3	67	1	4	19				
	Copy from	4	84	1	5	20				
255	Entry Point (secs)	5	107	2	6	21				
255	Exit Point (secs)	6	108	3	5	22				
144	Cycle Time (secs)	7	125	1	1	23				
Group Offset Handset Range		8				24				
Min.	0	9				25				
Max.	255	10				26				
		11				27				
		12				28				
		13				29				
		14				30				
		15				31				

Works Order : 460447503
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CLF - Plan(s)

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	Plan No.	Group No.	Group Offset	Group Influence	Related Stage	Group No.	Group Offset	Group Influence	Related Stage	
	1	0	0	1	1	16				
	Copy from	1	12	2	2	17				
Plan Specifics Influence Set style="text-align: center;">1 style="text-align: center;">Copy from		2	13	3	1	18				
		3	24	1	3	19				
		4	37	1	4	20				
		5	54	1	5	21				
		6	77	2	6	22				
		7	95	3	5	23				
		8				24				
		9				25				
		10				26				
		11				27				
		12				28				
		13				29				
		14				30				
		15				31				

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CLF - Plan(s)

CLF - Plan(s)

Plan No.

Plan Specifics

Influence Set

Entry Point (secs)

Exit Point (secs)

Cycle Time (secs)

Group Offset Handset Range

Min.

Max.

Group/Influence							
Group No.	Group Offset	Group Influence	Related Stage	Group No.	Group Offset	Group Influence	Related Stage
0	<input style="width: 40px;" type="text" value="12"/>	<input style="width: 30px;" type="text" value="1"/>	<input style="width: 30px;" type="text" value="4"/>	16	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
1	<input style="width: 40px;" type="text" value="29"/>	<input style="width: 30px;" type="text" value="1"/>	<input style="width: 30px;" type="text" value="5"/>	17	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
2	<input style="width: 40px;" type="text" value="62"/>	<input style="width: 30px;" type="text" value="2"/>	<input style="width: 30px;" type="text" value="6"/>	18	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
3	<input style="width: 40px;" type="text" value="63"/>	<input style="width: 30px;" type="text" value="3"/>	<input style="width: 30px;" type="text" value="5"/>	19	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
4	<input style="width: 40px;" type="text" value="80"/>	<input style="width: 30px;" type="text" value="1"/>	<input style="width: 30px;" type="text" value="1"/>	20	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
5	<input style="width: 40px;" type="text" value="116"/>	<input style="width: 30px;" type="text" value="2"/>	<input style="width: 30px;" type="text" value="2"/>	21	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
6	<input style="width: 40px;" type="text" value="117"/>	<input style="width: 30px;" type="text" value="3"/>	<input style="width: 30px;" type="text" value="1"/>	22	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
7	<input style="width: 40px;" type="text" value="134"/>	<input style="width: 30px;" type="text" value="1"/>	<input style="width: 30px;" type="text" value="3"/>	23	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
8	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	24	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
9	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	25	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
10	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	26	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
11	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	27	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
12	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	28	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
13	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	29	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
14	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	30	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>
15	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>	31	<input style="width: 40px;" type="text"/>	<input style="width: 30px;" type="text"/>	<input style="width: 30px;" type="text"/>

CLF Influences

- 0 = Go To VA
- 1 = Immediate move
- 2 = Demand dependder
- 3 = Hold
- 4 = Prevent Except To
- 5 = Add Immediate move
- 6 = Add Demand Dependent Move
- 7 = Ignore
- 8 = Stand Alone Inhibited
- 9 = Stand Alone Ped Allowed

Works Order : 460447503
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Engineer : Stuart Mulliner
Intersection : Outer Circle Road / Wragby Road Lincoln

CLF - Base Time

CLF - Base Time

Controller Base Date

Controller Base Time

Plan Offset

	Minutes	Seconds		Minutes	Seconds
Plan 0	<input type="text" value="0"/>	<input type="text" value="0"/>	Plan 8	<input type="text" value="0"/>	<input type="text" value="0"/>
Plan 1	<input type="text" value="0"/>	<input type="text" value="0"/>	Plan 9	<input type="text" value="0"/>	<input type="text" value="0"/>
Plan 2	<input type="text" value="0"/>	<input type="text" value="0"/>	Plan 10	<input type="text" value="0"/>	<input type="text" value="0"/>
Plan 3	<input type="text" value="0"/>	<input type="text" value="0"/>	Plan 11	<input type="text" value="0"/>	<input type="text" value="0"/>
Plan 4	<input type="text" value="0"/>	<input type="text" value="0"/>	Plan 12	<input type="text" value="0"/>	<input type="text" value="0"/>
Plan 5	<input type="text" value="0"/>	<input type="text" value="0"/>	Plan 13	<input type="text" value="0"/>	<input type="text" value="0"/>
Plan 6	<input type="text" value="0"/>	<input type="text" value="0"/>	Plan 14	<input type="text" value="0"/>	<input type="text" value="0"/>
Plan 7	<input type="text" value="0"/>	<input type="text" value="0"/>	Plan 15	<input type="text" value="0"/>	<input type="text" value="0"/>

Handset Range Limits

	Minutes	Seconds
Min	<input type="text" value="0"/>	<input type="text" value="0"/>
Max	<input type="text" value="4"/>	<input type="text" value="59"/>

Works Order : 460447503
EM Number : 68548
Engineer : Stuart Mulliner
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CLF - Demand Dependent Moves

Clear Grid Data

Notes:

If no data is entered for a stage then a demand for any phases in that stage will be considered.
The data specified on this screen will also change the screen
CLF - Demands to Consider with Demand Dependent Stage Moves.

Phases

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
0														
1	■	■						■				■		
2			■										■	
3				■			■							
4										■	■			■
5					■									
6									■					

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UTC General Data

UTC General Data

Type of UTC

106 316

Integral OTU Address

Number of Control Words

Number of Reply Words

Controller to respond to TC bit.

Introduction of UTC to be disabled by Priority Mode

Non UTC RTC synchronisation input name

RTC Synchronisation Times

Clock Synchronise Time (UTC TS input)

Day

Time

Clock Confirm Time (UTC RT output)

Day

Time

Works Order : 460447503
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UTC Control and Reply Data Format

UTC Control and Reply Data Format								
	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7	Bit 8
Control Words								
Word 1	F1	#F2	#F3	#F4	#F5	#F6	D2	D3
Word 2	D4	D5	D6			DX	TS	SO
Word 3								
Word 4								
Reply Words								
Word 1	G1	G2	G3	G4	G5	G6	DR2	DR3
Word 2	DR4	DR5	DR6	LF1	LF2	DF	CC	RR
Word 3								
Word 4								
Word 5								
Word 6								
Word 7								
Word 8								
Word 9								
Word 10								
Word 11								
Word 12								
Word 13								
Word 14								

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UTC Phase Demand and Extend Definitions

UTC Demand and Extend Definitions

Phase	Demands					Extensions			
	For Unlatched demands precede the name with a #. Conditioning MUST be used to specify unlatched demands.					<input checked="" type="radio"/> Phases A to P <input type="radio"/>			
A	DX	D2				DX			
B	DX					DX			
C	DX	D2				DX	D2		
D	DX	D3				DX	D3		
E	DX	D4	D5			DX	D5		
F	DX	D5	D6						
G	DX	D3							
H	DX	D2	D4	D5					
I	DX	D6	D6						
J	DX	D2	D3	D4					
K	DX	D4							
L	DX	D2	D3	D6					
M	DX	D2							
N	DX	D3	D4	D5					

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UTC Stage and Modes Data Definitions

UTC Stage and Modes Data Definitions

Stage	Force Bit	Green Confirm Bit	Demand Confirm Bit	Stage	Force Bit	Green Confirm Bit	Demand Confirm Bit
0	*ROUGH15			16			
1	F1	*ROUGH1		17			
2	#F2	*ROUGH2	DR2	18			
3	#F3		DR3	19			
4	#F4		DR4	20			
5	#F5	G5	DR5	21			
6	#F6		DR6	22			
7				23			
8				24			
9				25			
10				26			
11				27			
12				28			
13				29			
14				30			
15				31			

Mode Data Definitions

Manual Mode Operative:

G1/G2 RR

Manual Mode Selected:

G1/G2 RR

No Lamp Power, or Lamps Off due to RLM:

G1/G2

Detector Fault:

 DF

Normal NOT selected on the Manual Panel:

G1/G2 RR

RR Button Selected:

G1/G2 RR

If UTC Reply Confirms are required for a Controller Fault (CF) OR for separate MC and RR replies, Conditioning must be used.

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UTC Demand Dependent Forces

Clear Grid Data

Notes:

If no data is entered for a stage then a demand for any phases in that stage will be considered.
The data specified on this screen will also change the screen
CLF - Demands to Consider with Demand Dependent Stage Moves.

Phases

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
0														
1	■	■						■				■		
2			■										■	
3				■			■							
4										■	■			■
5					■									
6									■					

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MTC - Time Switch Parameters

MTC - Time Switch Parameters

	Type	Event		Type	Event
0	Alternate Max	MAXSETB	16	No Action	
1	Alternate Max	MAXSETC	17	No Action	
2	Alternate Max	MAXSETD	18	No Action	
3	Alternate Max	MAXSETE	19	No Action	
4	Alternate Max	MAXSETF	20	No Action	
5	Alternate Max	MAXSETG	21	No Action	
6	Alternate Max	MAXSETH	22	No Action	
7	Alternate DFM	ALTDFOB	23	No Action	
8	Alternate DFM	ALTDFOC	24	No Action	
9	Alternate DFM	ALTDFOE	25	No Action	
10	No Action		26	No Action	
11	No Action		27	No Action	
12	No Action		28	No Action	
13	No Action		29	No Action	
14	No Action		30	No Action	
15	No Action		31	No Action	

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Master Time Clock - Day Type

Master Time Clock - Day Type

No.	Mon	Tue	Wed	Thu	Fri	Sat	Sun
0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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 Intersection : Outer Circle Road / Wragby Road Lincoln

Master Time Clock - Time Table

Master Time Clock - Time Table					
View Time Table settings					
<input checked="" type="radio"/> 0-15 <input type="radio"/> 16-31 <input type="radio"/> 32-47 <input type="radio"/> 48-63					
Number	Day Type	Time	Introduce Function Required	Function Number	Plan/Parameter
<input type="text" value="0"/>	<input type="text" value="9"/>	<input type="text" value="07:30:00"/>	<input type="text" value="Maxset A and DFM set A"/>	<input type="text" value="2"/>	<input type="text" value="0"/>
<input type="text" value="1"/>	<input type="text" value="9"/>	<input type="text" value="09:30:00"/>	<input type="text" value="Maxset B and DFM set B"/>	<input type="text" value="2"/>	<input type="text" value="1"/>
<input type="text" value="2"/>	<input type="text" value="9"/>	<input type="text" value="15:30:00"/>	<input type="text" value="Maxset C and DFM set C"/>	<input type="text" value="2"/>	<input type="text" value="2"/>
<input type="text" value="3"/>	<input type="text" value="9"/>	<input type="text" value="18:30:00"/>	<input type="text" value="Maxset D and DFM set D"/>	<input type="text" value="2"/>	<input type="text" value="3"/>
<input type="text" value="4"/>	<input type="text" value="0"/>	<input type="text" value="07:30:00"/>	<input type="text" value="Maxset A and DFM set A"/>	<input type="text" value="2"/>	<input type="text" value="0"/>
<input type="text" value="5"/>	<input type="text" value="0"/>	<input type="text" value="18:30:00"/>	<input type="text" value="Maxset C and DFM set C"/>	<input type="text" value="2"/>	<input type="text" value="2"/>
<input type="text" value="6"/>	<input type="text" value="1"/>	<input type="text" value="07:30:00"/>	<input type="text" value="Maxset A and DFM set A"/>	<input type="text" value="2"/>	<input type="text" value="0"/>
<input type="text" value="7"/>	<input type="text" value="1"/>	<input type="text" value="18:30:00"/>	<input type="text" value="Maxset C and DFM set C"/>	<input type="text" value="2"/>	<input type="text" value="2"/>
<input type="text" value="8"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="9"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="10"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="11"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="12"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="13"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="14"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
<input type="text" value="15"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

Function Numbers:
 0 = Isolate From CLF
 1 = Introduce a CLF Plan
 2 = Introduce a Parameter
 (Combination of event switches)
 3 = Selects an Individual event switch to be set
 4 = Selects an Individual event switch to be cleared.

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LMU - General

LMU - General

Lamp Monitoring - LMU Voltage

200-240
 50-0-50, 100-120 230 CLS

Red Lamp Monitoring

Max Red Bulb Wattage First Red Lamp Fault Speed

RLF2 Cancels RLM additional Intergreens RLM Additional Intergreen Handset Limits

RLF2 Only Cleared by RFL = 1 Minimum Maximum

RLF1 Only Cleared by RFL = 1

Streams with Phase BlackOut on RLF2

0

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LMU - Sensors

On-Board Sensors				On-Board Sensors				External Sensors			
Sensor/ Phase	Sensor Type	Bulb Watts	NLM CLS	Sensor/ Phase	Sensor Type	Bulb Watts	NLM CLS	Sensor/ Pin	Drive	Sensor Type	Bulb Watts
1 \ A	As Seq.	40	<input type="checkbox"/>	17 \ Q			<input type="checkbox"/>	33 \ b14		Reg. Sign	7
2 \ B	As Seq.	40	<input type="checkbox"/>	18 \ R			<input type="checkbox"/>	34 \ z16		Reg. Sign	7
3 \ C	As Seq.	40	<input type="checkbox"/>	19 \ S			<input type="checkbox"/>	35 \ z14		Reg. Sign	7
4 \ D	As Seq.	40	<input type="checkbox"/>	20 \ T			<input type="checkbox"/>	36 \ z12		Reg. Sign	7
5 \ E	As Seq.	40	<input type="checkbox"/>	21 \ U			<input type="checkbox"/>	37 \ b14		Reg. Sign	7
6 \ F	As Seq.	40	<input type="checkbox"/>	22 \ V			<input type="checkbox"/>	38 \ z16		Reg. Sign	7
7 \ G	As Seq.	40	<input type="checkbox"/>	23 \ W			<input type="checkbox"/>	39 \ z14		Reg. Sign	7
8 \ H	As Seq.	40	<input type="checkbox"/>	24 \ X			<input type="checkbox"/>	40 \ z12		Reg. Sign	7
9 \ I	As Seq.	40	<input type="checkbox"/>	25 \ Y			<input type="checkbox"/>	41 \ b14			
10 \ J	As Seq.	40	<input type="checkbox"/>	26 \ Z			<input type="checkbox"/>	42 \ z16			
11 \ K	As Seq.	40	<input type="checkbox"/>	27 \ A2			<input type="checkbox"/>	43 \ z14			
12 \ L	As Seq.	40	<input type="checkbox"/>	28 \ B2			<input type="checkbox"/>	44 \ z12			
13 \ M	As Seq.	40	<input type="checkbox"/>	29 \ C2			<input type="checkbox"/>	45 \ b14			
14 \ N	As Seq.	40	<input type="checkbox"/>	30 \ D2			<input type="checkbox"/>	46 \ z16			
15 \ O	As Seq.	40	<input type="checkbox"/>	31 \ E2			<input type="checkbox"/>	47 \ z14			
16 \ P	As Seq.	40	<input type="checkbox"/>	32 \ F2			<input type="checkbox"/>	48 \ z12			

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RLM Additional Intergreens

Phases Delayed

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
Phases with RLF1							2		2					2
							2			2	2		2	
											2			2
								2	2		2		2	
							2		2			2	2	

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RLM Phase Inhibits

Phases Inhibited/Blacked-out

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
Phases with RLF2	A						■		■					■
	B						■			■	■		■	
	C										■			■
	D							■	■		■		■	
	E						■		■			■	■	
	F													
	G													
	H													
	I													
	J													
	K													
	L													
	M													
	N													

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Manual Panel

Manual Panel

Stage Buttons and LEDs

Button No.	Title	Called Stage for Stream							
		0	1	2	3	4	5	6	7
0	All Red	<input type="text" value="0"/>							
1	Wragby Road Bothways	<input type="text" value="1"/>							
2	Wragby Road Eastbound and Right Turn	<input type="text" value="2"/>							
3	Outer Circle Drive	<input type="text" value="3"/>							
4	Outer Circle Road	<input type="text" value="4"/>							
5	Wragby Road Westbound Filter and Wragby Road North Pedestrian	<input type="text" value="6"/>							
6		<input type="text"/>							
7		<input type="text"/>							

General LEDs

AUX 1
 AUX 2
 AUX 3
 AUX 4 (Hurry Call)
 AUX 5 (Higher Priority)

Conditioned

Manual Mode Enable

- Always
 When Handset Plugged in (Note 1)
 When 'MND' Command Entered

Note 1:
 For this to operate
 Special Conditioning
 is required.

General Buttons

	None	SW1	SW2	SW3
Momentary		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dim Override	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
RR	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Manual Signals On

- Immediate Signals On
 As Start-Up

Mode Select Switches Disabled

VA
 Fixed Time
 CLF

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Manual Mode - Optional Phases Appearance

Manual Mode - Optional Phases Appearance

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Never Appears	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Demand Dependand	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Always Appears	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
	Q	R	S	T	U	V	W	X	Y	Z	A2	B2	C2	D2	E2	F2
Never Appears	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Demand Dependand	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Always Appears	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Speed Discrimination / Speed Assessment Equipment

Speed Discrimination / Speed Assessment Equipment					Phase Terminated	Extra Intergreen	Curtailed VA Extensions to Force Extra IGN	Phase Terminated	Extra Intergreen	Curtailed VA Extensions to Force Extra IGN
<input checked="" type="radio"/> SDE/SA Card	Assessor Number	Assessor Input Name	Assessor Type *	Associated Phase	A		<input type="checkbox"/>	Q		<input type="checkbox"/>
<input type="radio"/> Internal SDE/SA	0				B		<input type="checkbox"/>	R		<input type="checkbox"/>
Equipment Type					C		<input type="checkbox"/>	S		<input type="checkbox"/>
<input checked="" type="radio"/> SDE <input type="radio"/> SA	1				D		<input type="checkbox"/>	T		<input type="checkbox"/>
Loop Spacing					E		<input type="checkbox"/>	U		<input type="checkbox"/>
<input type="radio"/> 3.05m <input checked="" type="radio"/> 3.66m	2				F		<input type="checkbox"/>	V		<input type="checkbox"/>
Note: 3.05m is Non-Standard					G		<input type="checkbox"/>	W		<input type="checkbox"/>
Number of Assessors					H		<input type="checkbox"/>	X		<input type="checkbox"/>
<input type="text" value="0"/>	3				I		<input type="checkbox"/>	Y		<input type="checkbox"/>
*					J		<input type="checkbox"/>	Z		<input type="checkbox"/>
Assessor Types:					K		<input type="checkbox"/>	A2		<input type="checkbox"/>
1 = Double SDE					L		<input type="checkbox"/>	B2		<input type="checkbox"/>
2 = Triple SDE Inner					M		<input type="checkbox"/>	C2		<input type="checkbox"/>
3 = Triple SDE Outer					N		<input type="checkbox"/>	D2		<input type="checkbox"/>
4 = Speed Assessment					O		<input type="checkbox"/>	E2		<input type="checkbox"/>
					P		<input type="checkbox"/>	F2		<input type="checkbox"/>

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SDE - Gaining Phase Delays Affected

Gaining Phase Delays to be increased

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
A	■	■	■	■	■	■	■	■	■	■	■	■	■	■
B	■	■	■	■	■	■	■	■	■	■	■	■	■	■
C	■	■	■	■	■	■	■	■	■	■	■	■	■	■
D	■	■	■	■	■	■	■	■	■	■	■	■	■	■
E	■	■	■	■	■	■	■	■	■	■	■	■	■	■
F	■	■	■	■	■	■	■	■	■	■	■	■	■	■
G	■	■	■	■	■	■	■	■	■	■	■	■	■	■
H	■	■	■	■	■	■	■	■	■	■	■	■	■	■
I	■	■	■	■	■	■	■	■	■	■	■	■	■	■
J	■	■	■	■	■	■	■	■	■	■	■	■	■	■
K	■	■	■	■	■	■	■	■	■	■	■	■	■	■
L	■	■	■	■	■	■	■	■	■	■	■	■	■	■
M	■	■	■	■	■	■	■	■	■	■	■	■	■	■
N	■	■	■	■	■	■	■	■	■	■	■	■	■	■

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Special Conditioning

```
SCRT15:=ROUGH15 ; THIS BLOCK OF CONDITIONING WILL
  *+=PRVST0 ; HOLD THE CONTROLLER IN UTC MODE
; FOR 200msec IN CASE OF A GAP IN
; FORCE BITS

F1+F2+F3+F4+F5+F6=SCRT15
NOT STAGE0=.ROUGH15
NOT(MODE0 EQL <4>)=.PRVST0
NOT(F1.(NOT 2SCRT176))=.ROUGH15
NOT(F2.(NOT 2SCRT177))=.ROUGH15
NOT(F3.(NOT 2SCRT178))=.ROUGH15
NOT(F4.(NOT 2SCRT179))=.ROUGH15
NOT(F5.(NOT 2SCRT180))=.ROUGH15
NOT(F6.(NOT 2SCRT181))=.ROUGH15
F1=2SCRT176
F2=2SCRT177
F3=2SCRT178
F4=2SCRT179
F5=2SCRT180
F6=2SCRT181

; SPECIAL STAGE RESTRICTIONS
; -----
PHASEF+=UCPHB ; PHASE F AT GREEN DEMANDS PHASE B
STAGE4+=UCST5 ; DEMAND STAGE 5 DURING STAGE 4
(MODE0 EQL <2>):::.DR2=PRVST2 ; PREVENT DEMAND DEPENDENT STAGES IF THEIR
  *.DR3=PRVST3 ; RESPECTIVE "DR" BITS ARE NOT SET
  *.DR4=PRVST4
  *.DR5=PRVST5 ; BUT THIS IS ONLY NEEDED IN V.A. MODE
  *.DR6=PRVST6

IFT 1AUXCMDG4+1AUXCMDI4+1AUXCMDK4+1AUXCMDM4 THN ; PREVENT ALL STAGE MOVEMENTS IF A PHASE
TRUE:::::=PRVST0 ; IS BEING DELETED FROM A STAGE
  *=PRVST1
  *=PRVST2
  *=PRVST3
  *=PRVST4
  *=PRVST5
  *=PRVST6

ELS
FALSE=PRVST1
END
```

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Fault Log Flags

Fault Log Flags

Fault No	Cond Flag	Act Flag	Fault No	Cond Flag	Act Flag	Fault No	Cond Flag	Act Flag	Fault No	Cond Flag	Act Flag
0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	16	<input checked="" type="checkbox"/>	<input type="checkbox"/>	32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	48	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	17	<input checked="" type="checkbox"/>	<input type="checkbox"/>	33	<input checked="" type="checkbox"/>	<input type="checkbox"/>	49	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	34	<input checked="" type="checkbox"/>	<input type="checkbox"/>	50	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	19	<input checked="" type="checkbox"/>	<input type="checkbox"/>	35	<input checked="" type="checkbox"/>	<input type="checkbox"/>	51	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	20	<input checked="" type="checkbox"/>	<input type="checkbox"/>	36	<input checked="" type="checkbox"/>	<input type="checkbox"/>	52	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	21	<input checked="" type="checkbox"/>	<input type="checkbox"/>	37	<input checked="" type="checkbox"/>	<input type="checkbox"/>	53	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	22	<input checked="" type="checkbox"/>	<input type="checkbox"/>	38	<input checked="" type="checkbox"/>	<input type="checkbox"/>	54	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	23	<input checked="" type="checkbox"/>	<input type="checkbox"/>	39	<input checked="" type="checkbox"/>	<input type="checkbox"/>	55	<input type="checkbox"/>	<input type="checkbox"/>
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	24	<input checked="" type="checkbox"/>	<input type="checkbox"/>	40	<input checked="" type="checkbox"/>	<input type="checkbox"/>	56	<input checked="" type="checkbox"/>	<input type="checkbox"/>
9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	25	<input checked="" type="checkbox"/>	<input type="checkbox"/>	41	<input checked="" type="checkbox"/>	<input type="checkbox"/>	57	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	26	<input checked="" type="checkbox"/>	<input type="checkbox"/>	42	<input checked="" type="checkbox"/>	<input type="checkbox"/>	58	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11	<input checked="" type="checkbox"/>	<input type="checkbox"/>	27	<input checked="" type="checkbox"/>	<input type="checkbox"/>	43	<input checked="" type="checkbox"/>	<input type="checkbox"/>	59	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	<input type="checkbox"/>	28	<input checked="" type="checkbox"/>	<input type="checkbox"/>	44	<input checked="" type="checkbox"/>	<input type="checkbox"/>	60	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13	<input checked="" type="checkbox"/>	<input type="checkbox"/>	29	<input checked="" type="checkbox"/>	<input type="checkbox"/>	45	<input checked="" type="checkbox"/>	<input type="checkbox"/>	61	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14	<input checked="" type="checkbox"/>	<input type="checkbox"/>	30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	46	<input checked="" type="checkbox"/>	<input type="checkbox"/>	62	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	31	<input checked="" type="checkbox"/>	<input type="checkbox"/>	47	<input checked="" type="checkbox"/>	<input type="checkbox"/>	63	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Note:
 Cond Flag -
 If a fault occurs which sets

 Act Flag -
 If a fault occurs which sets a

 switched OFF and secondly a

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Special Instructions

SPECIAL INSTRUCTIONS AND ITEM LISTS

This controller is fully equipped for 24 phases and wired for possible 32 phases.

The intersection will be controlled by a 14 phase / 6 stage type 800 controller incorporating manual , V.A, fixed time to current maximums, C.L.F, red & general lamp monitoring, Toucan facilities on phases K, L, M and N, Integral U.T.C to MCE0106, and timeswitched maximum green & DFM timings. The C.L.F. is for possible future use.

Phases G,I,K & M will terminate as soon as their minimum greens have expired

The SCOOT detectors are wired to controller inputs and will need programming for the integral OTU.

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Special Instructions

SPECIAL INSTRUCTIONS AND ITEM LISTS

FIT 2 X AGD SUPPLY TRANSFORMERS TO THE CONTROLLER SIDE PANEL AND LABEL AGD 1 AND AGD 2
CONNECT PRIMERY WINDING OF BOTH AGD SUPPLY TRANSFORMERS THE CONTROLLER AUX SUPPLY FUSE AND NEUTRAL
AGD SUPPLY TRANSFORMER 1 WILL SUPPLY THE POWER TO THE CONTROLLER DETECTOR BACKPLANES
AGD SUPPLY TRANSFORMER 2 WILL SUPPLY THE POWER TO THE ON CROSSING DETECTORS

PUSHBUTTON CONNECTIONS

CONNECT PHASE G PUSHBUTTON INPUTS TO TBN/1 AND TBE/6-12
CONNECT PHASE H PUSHBUTTON INPUTS TO TBN/2 AND TBE/6-12
CONNECT PHASE I PUSHBUTTON INPUTS TO TBN/3 AND TBE/6-12
CONNECT PHASE J PUSHBUTTON INPUTS TO TBN/4 AND TBE/6-12
CONNECT PHASE K PUSHBUTTON INPUTS TO TBN/5 AND TBE/6-12
CONNECT PHASE L PUSHBUTTON INPUTS TO TBN/6 AND TBE/6-12
CONNECT PHASE M PUSHBUTTON INPUTS TO TBN/7 AND TBE/6-12
CONNECT PHASE N PUSHBUTTON INPUTS TO TBN/8 AND TBE/6-12

ON CROSSING DETECTOR CONNECTIONS

CONNECT 24VOLT AC SUPPLY TO EACH AGD DETECTOR TO THE SECONDARY OF AGD SUPPLY TRANSFORMER NUMBER 2

CONNECT PHASE K ON CROSSING DETECTOR NUMBER 1 TO TBP/1 AND TBE/6-12
CONNECT PHASE K ON CROSSING DETECTOR NUMBER 2 TO TBP/2 AND TBE/6-12
CONNECT PHASE L ON CROSSING DETECTOR NUMBER 1 TO TBP/3 AND TBE/6-12
CONNECT PHASE L ON CROSSING DETECTOR NUMBER 2 TO TBP/4 AND TBE/6-12
CONNECT PHASE M ON CROSSING DETECTOR NUMBER 1 TO TBP/5 AND TBE/6-12
CONNECT PHASE M ON CROSSING DETECTOR NUMBER 2 TO TBP/6 AND TBE/6-12
CONNECT PHASE N ON CROSSING DETECTOR NUMBER 1 TO TBP/7 AND TBE/6-12
CONNECT PHASE N ON CROSSING DETECTOR NUMBER 2 TO TBP/8 AND TBE/6-12

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Engineer : Stuart Mulliner
Intersection : Outer Circle Road / Wragby Road Lincoln

Special Instructions

SPECIAL INSTRUCTIONS AND ITEM LISTS

LOW VOLTAGE WAIT TRANSFORMER CONNECTIONS

FIT 8 X 48 VOLT LOW VOLTAGE WAIT TRANSFORMERS TO THE CONTROLLER SIDE PANEL AND LABEL TRANSF1 TO TRANSF8

CONNECT TRANSF1 PRIMARY WINDING TO PHASE G AMBER ON TBB/8 AND NEUTRAL

CONNECT TRANSF2 PRIMARY WINDING TO PHASE H AMBER ON TBB/11 AND NEUTRAL

CONNECT TRANSF3 PRIMARY WINDING TO PHASE I AMBER ON TBC/2 AND NEUTRAL

CONNECT TRANSF4 PRIMARY WINDING TO PHASE J AMBER ON TBC/5 AND NEUTRAL

CONNECT TRANSF5 PRIMARY WINDING TO PHASE K AMBER ON TBC/8 AND NEUTRAL

CONNECT TRANSF6 PRIMARY WINDING TO PHASE L AMBER ON TBC/11 AND NEUTRAL

CONNECT TRANSF7 PRIMARY WINDING TO PHASE M AMBER ON TBD/2 AND NEUTRAL

CONNECT TRANSF8 PRIMARY WINDING TO PHASE N AMBER ON TBD/5 AND NEUTRAL

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EM Number : 68548
Engineer : Stuart Mulliner
Intersection : Outer Circle Road / Wragby Road Lincoln

Special Instructions

IMPORTANT NOTICE TO ALL INSTALLERS

IF PEDESTRIAN WAIT INDICATORS ARE FITTED THEN THEY MUST BE WIRED USING A

SEPERATE NEUTRAL CORE FROM THE SIGNAL AND BOX SIGN NEUTRALS.

IF BOX SIGNS ARE FITTED THEN THEY MUST BE WIRED USING A

SEPERATE NEUTRAL CORE FROM THE SIGNAL AND PEDESTRIAN WAIT INDICATOR
NEUTRALS.

IF THE JUNCTION CONTAINS A LARGE NUMBER OF ASPECTS AND / OR VERY LONG CABLE
RUNS THEN ALL SPARE CORES ARE TO BE CONNECTED TO NEUTRAL AT THE POLE TOPS
AND IN THE CONTROLLER.

ALL SPARE CORES IN THE SIGNAL CABLES MUST BE CONNECTED TO EARTH UNLESS THEY

ARE BEING USED AS NEUTRALS. CONNECTIONS TO BE MADE AT POLE TOPS AND/OR IN
CONTROLLER. (IF ONLY ONE END IS EARTHED THE OTHER ENDS ARE TO BE INSULATED
TO PREVENT ACCIDENTAL SHORTS)

ALL THE LOOP PAIRED FEEDER CABLES, TWIN FLEX, MUST BE KEPT CLEAR OF THE MAIN

SWITCH AND MAINTENANCE SOCKETS ETC. (THESE CABLES ARE TO BE CONNECTED TO THE
EARTH BAR IN THE NORMAL MANNER AND ROUTED BEHIND THE OUTERCASE SIDE RAILS.

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 Engineer : Stuart Mulliner
 Intersection : Outer Circle Road / Wragby Road Lincoln

Special Instructions

SIEMENS SINGLE INTERNAL DETECTOR BACKPLANE INSTRUCTIONS SHEET (BACKPLANE 1)

CONNECTIONS MADE USING CABLEFORM 667/1/03887/002
 UNUSED WIRE ENDS MUST BE TIED BACK AND INSULATED

DETECTOR RACK POWER CONNECTIONS			
SIGNAL	WIRE COLOUR	SUPPLY TERMINALS FROM ST800	BACKPLANE No.1 TERMINALS
24 VOLTS	RED	See Editing	19
0 VOLTS	BLACK	Notes	20
SCREEN	PINK	1 & 4 & 5	22
COMMON	WHITE		18
24 v AC	Orange/Grey		23
24 v AC	Orange/Grey		24

LOOP No.	LOOP DESIGNATION	INTERMEDIATE TERMINALS	WIRE COLOUR	BACKPLANE TERMINALS
1	AX	2TBG 1 & 2TBG 2	GREEN	1 & 2
2	AY+AZ	2TBG 3 & 2TBG 4	BLUE	3 & 4
3	BX	2TBG 5 & 2TBG 6	ORANGE	5 & 6
4	BY+BZ	2TBG 7 & 2TBG 8	BROWN	7 & 8

DETECTOR OUTPUTS			
DETECTOR No.	BACKPLANE TERMINALS	COLOUR	CONTR TERMINALS
1	10	BLUE	1TBG 1
2	12	GREEN	1TBG 2
3	14	ORANGE	1TBG 3
4	16	YELLOW	1TBG 4

Note 1 If more than one d.c. only backplanes power Linking between B/Planes to be made using the Red, Black Pink and White from 667/1/03887/002 SEE ALSO NOTES 4 & 5

Note 2 Use the detector termination kit (667/1/15854/000) to do the intermediate wiring.

Note 3 Ensure that the correct colour wires are used for the intermediate wiring.

mediate wiring.

Note 4 If more than one A.C. only backplanes, power linking between backplanes to be made using Orange & Grey wire from 667/1/03887/002.

Note 5 If a combination of A.C. and D.C. power backplanes are required (avoid if possible then the Red and Black wires from 667/1/03887/002 should be sleeved and tied back and NOT inserted into the terminal blocks (TB19 & TB20 on the A.C. backplane).

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 EM Number : 68548
 Engineer : Stuart Mulliner
 Intersection : Outer Circle Road / Wragby Road Lincoln

Special Instructions

SIEMENS SINGLE INTERNAL DETECTOR BACKPLANE INSTRUCTIONS SHEET (BACKPLANE 2)

CONNECTIONS MADE USING CABLEFORM 667/1/03887/002
 UNUSED WIRE ENDS MUST BE TIED BACK AND INSULATED

DETECTOR RACK POWER CONNECTIONS

SIGNAL	WIRE COLOUR	BACKPLANE NO.1 TERMINALS	BACKPLANE No.2 TERMINALS
24 VOLTS	RED	19 Note 5	19
0 VOLTS	BLACK	20 Note 5	20
SCREEN	PINK	22	22
COMMON	WHITE	18	18
24 v AC	Orange/Grey	23	23
24 v AC	Orange/Grey	24	24

Note 1 If more than one d.c. only backplane power linking between B/Planes to be made using the Red, Black Pink and White from 667/1/03887/002 SEE ALSO NOTES 4 & 5

Note 2 Use the detector termination kit (667/1/15854/000) to do the intermediate wiring.

Note 3 Ensure that the correct colour wires are used for the intermediate wiring.

Note 4 If more than one A.C. only backplane power linking between backplanes to made using Orange & Grey wire from 667/1/03887/002.

Note 5 If a combination of A.C. and D.C. pow backplanes are required (avoid if pos then the Red and Black wires from 667/1/03887/002 should be sleeved and back and NOT inserted into the termin blocks (TB19 & TB20 on the A.C. backp

LOOP No.	LOOP DESIGNATION	INTERMEDIATE TERMINALS	WIRE COLOUR	BACKPLANE TERMINALS
1	CX	2TBG 9 & 2TBG 10	SLATE	1 & 2
2	CY+CZ	2TBG 11 & 2TBG 12	BLUE/WHITE	3 & 4
3	DX1	2TBH 1 & 2TBH 2	GREEN	5 & 6
4	DY+DZ	2TBH 3 & 2TBH 4	BLUE	7 & 8

DETECTOR OUTPUTS

DETECTOR No.	BACKPLANE TERMINALS	COLOUR	CONTR TERMINALS
1	10	BLUE	1TBG 5
2	12	GREEN	1TBG 6
3	14	ORANGE	1TBG 7
4	16	YELLOW	1TBG 8

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 Engineer : Stuart Mulliner
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Special Instructions

SIEMENS SINGLE INTERNAL DETECTOR BACKPLANE INSTRUCTIONS SHEET (BACKPLANE 3)

CONNECTIONS MADE USING CABLEFORM 667/1/03887/002
 UNUSED WIRE ENDS MUST BE TIED BACK AND INSULATED

DETECTOR RACK POWER CONNECTIONS			
SIGNAL	WIRE COLOUR	BACKPLANE NO.2 TERMINALS	BACKPLANE No.3 TERMINALS
24 VOLTS	RED	19 Note 5	19
0 VOLTS	BLACK	20 Note 5	20
SCREEN	PINK	22	22
COMMON	WHITE	18	18
24 v AC	Orange/Grey	23	23
24 v AC	Orange/Grey	24	24

LOOP No.	LOOP DESIGNATION	INTERMEDIATE TERMINALS	WIRE COLOUR	BACKPLANE TERMINALS
1	EX	2TBH 5 & 2TBH 6	ORANGE	1 & 2
2	EY+EZ	2TBH 7 & 2TBH 8	BROWN	3 & 4
3		2TBH 9 & 2TBH 10	SLATE	5 & 6
4		2TBH 11 & 2TBH 12	BLUE/WHITE	7 & 8

DETECTOR OUTPUTS			
DETECTOR No.	BACKPLANE TERMINALS	COLOUR	CONTR TERMINALS
1	10	BLUE	1TBH 1
2	12	GREEN	1TBH 2
3	14	ORANGE	1TBH 3
4	16	YELLOW	1TBH 4

Note 1 If more than one d.c. only backplane power Linking between B/Planes to be made using the Red, Black Pink and White from 667/1/03887/002 SEE ALSO NOTES 4 & 5

Note 2 Use the detector termination kit (667/1/15854/000) to do the intermediate wiring.

Note 3 Ensure that the correct colour wires are used for the intermediate wiring.

Note 4 If more than one A.C. only backplane power linking between backplanes to be made using Orange & Grey wire from 667/1/03887/002.

Note 5 If a combination of A.C. and D.C. pow backplanes are required (avoid if pos then the Red and Black wires from 667/1/03887/002 should be sleeved and back and NOT inserted into the termin blocks (TB19 & TB20 on the A.C. backp

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Special Instructions

SIEMENS SINGLE INTERNAL DETECTOR BACKPLANE INSTRUCTIONS SHEET (BACKPLANE 4)

CONNECTIONS MADE USING CABLEFORM 667/1/03887/002
 UNUSED WIRE ENDS MUST BE TIED BACK AND INSULATED

DETECTOR RACK POWER CONNECTIONS			
SIGNAL	WIRE COLOUR	SUPPLY TERMINALS FROM ST800	BACKPLANE No. 4 TERMINALS
24 VOLTS	RED	See Editing	19
0 VOLTS	BLACK	Notes	20
SCREEN	PINK	1 & 4 & 5	22
COMMON	WHITE		18
24 v AC	Orange/Grey		23
24 v AC	Orange/Grey		24

Note 1 If more than one d.c. only backplanes power Linking between B/Planes to be made using the Red, Black Pink and White from 667/1/03887/002 SEE ALSO NOTES 4 & 5

Note 2 Use the detector termination kit (667/1/15854/000) to do the intermediate wiring.

Note 3 Ensure that the correct colour wires are used for the intermediate wiring.

mediate wiring.

Note 4 If more than one A.C. only backplanes, power linking between backplanes to be made using Orange & Grey wire from 667/1/03887/002.

LOOP No.	LOOP DESIGNATION	INTERMEDIATE TERMINALS	WIRE COLOUR	BACKPLANE TERMINALS
1	SCOOT 1	2TBJ 1 & 2TBJ 2	GREEN	1 & 2
2	SCOOT 2	2TBJ 3 & 2TBJ 4	BLUE	3 & 4
3	SCOOT 3	2TBJ 5 & 2TBJ 6	ORANGE	5 & 6
4	SCOOT 4	2TBJ 7 & 2TBJ 8	BROWN	7 & 8

Note 5 If a combination of A.C. and D.C. power backplanes are required (avoid if possible then the Red and Black wires from 667/1/03887/002 should be sleeved and t back and NOT inserted into the terminal blocks (TB19 & TB20 on the A.C. backpla

DETECTOR OUTPUTS			
DETECTOR No.	BACKPLANE TERMINALS	COLOUR	CONTR TERMINALS
1	09	BLUE	1TBR 1
2	11	GREEN	1TBR 2
3	13	ORANGE	1TBR 3
4	15	YELLOW	1TBR 4

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Special Instructions

SIEMENS SINGLE INTERNAL DETECTOR BACKPLANE INSTRUCTIONS SHEET (BACKPLANE 5)

CONNECTIONS MADE USING CABLEFORM 667/1/03887/002
 UNUSED WIRE ENDS MUST BE TIED BACK AND INSULATED

DETECTOR RACK POWER CONNECTIONS			
SIGNAL	WIRE COLOUR	BACKPLANE NO.4 TERMINALS	BACKPLANE NO.5 TERMINALS
24 VOLTS	RED	19 Note 5	19
0 VOLTS	BLACK	20 Note 5	20
SCREEN	PINK	22	22
COMMON	WHITE	18	18
24 v AC	Orange/Grey	23	23
24 v AC	Orange/Grey	24	24

LOOP No.	LOOP DESIGNATION	INTERMEDIATE TERMINALS	WIRE COLOUR	BACKPLANE TERMINALS
1	SCOOT 5	2TBJ 9 & 2TBJ 10	SLATE	1 & 2
2	SCOOT 6	2TBJ 11 & 2TBJ 12	BLUE/WHITE	3 & 4
3	SCOOT 7	2TBK 1 & 2TBK 2	GREEN	5 & 6
4	SCOOT 8	2TBK 3 & 2TBK 4	BLUE	7 & 8

DETECTOR OUTPUTS			
DETECTOR No.	BACKPLANE TERMINALS	COLOUR	CONTR TERMINALS
1	09	BLUE	1TBR 5
2	11	GREEN	1TBR 6
3	13	ORANGE	1TBR 7
4	15	YELLOW	1TBR 8

Note 1 If more than one d.c. only backplane power Linking between B/Planes to be made using the Red, Black Pink and White from 667/1/03887/002 SEE ALSO NOTES 4 & 5

Note 2 Use the detector termination kit (667/1/15854/000) to do the intermediate wiring.

Note 3 Ensure that the correct colour wires are used for the intermediate wiring.

Note 4 If more than one A.C. only backplane power linking between backplanes to be made using Orange & Grey wire from 667/1/03887/002.

Note 5 If a combination of A.C. and D.C. power backplanes are required (avoid if possible then the Red and Black wires from 667/1/03887/002 should be sleeved and back and NOT inserted into the terminal blocks (TB19 & TB20 on the A.C. backplane)

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Special Instructions

SIEMENS SINGLE INTERNAL DETECTOR BACKPLANE INSTRUCTIONS SHEET (BACKPLANE 6)

CONNECTIONS MADE USING CABLEFORM 667/1/03887/002
 UNUSED WIRE ENDS MUST BE TIED BACK AND INSULATED

DETECTOR RACK POWER CONNECTIONS

SIGNAL	WIRE COLOUR	BACKPLANE NO.5 TERMINALS	BACKPLANE No.6 TERMINALS
24 VOLTS	RED	19 Note 5	19
0 VOLTS	BLACK	20 Note 5	20
SCREEN	PINK	22	22
COMMON	WHITE	18	18
24 v AC	Orange/Grey	23	23
24 v AC	Orange/Grey	24	24

Note 1 If more than one d.c. only backplane power Linking between B/Planes to be made using the Red/ Black Pink and White from 667/1/03887/002 SEE ALSO NOTES 4 & 5

Note 2 Use the detector termination kit (667/1/15854/000) to do the intermediate wiring.

Note 3 Ensure that the correct colour wires are used for the intermediate wiring.

Note 4 If more than one A.C. only backplane power linking between backplanes to be made using Orange & Grey wire from 667/1/03887/002.

Note 5 If a combination of A.C. and D.C. pow backplanes are required (avoid if pos then the Red and Black wires from 667/1/03887/002 should be sleeved and back and NOT inserted into the termin blocks (TB19 & TB20 on the A.C. backp

LOOP No.	LOOP DESIGNATION	INTERMEDIATE TERMINALS	WIRE COLOUR	BACKPLANE TERMINALS
1	SPARE	2TBK 5 & 2TBK 6	ORANGE	1 & 2
2	SPARE	2TBK 7 & 2TBK 8	BROWN	3 & 4
3	SPARE	2TBK 9 & 2TBK 10	SLATE	5 & 6
4	SPARE	2TBK 11 & 2TBK 12	BLUE/WHITE	7 & 8

DETECTOR OUTPUTS

DETECTOR No.	BACKPLANE TERMINALS	COLOUR	CONTR TERMINALS
1	10	BLUE	
2	12	GREEN	
3	14	ORANGE	
4	16	YELLOW	

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Special Instructions

68548

Board	Position	Skt	Port	Type I or O	Line	Cable	Block
CPU	A	X3I	0	I	00 - 07	101	1TBG
CPU	A	X3I	1	I	08 - 15		1TBH
CPU	A	X3O	11	O	88 - 91	105	1TBX
SDE	F	B	6	I	48 - 55	104	1TBN
SDE	F	B	7	I	56 - 63		1TBP
SDE	F	C	8	I	64 - 71	104	1TBR
SDE	F	C	9	I	72 - 79		1TBS
OTU	D						

The socket X3 on the CPU pcb is the double stacked one
X3I = Inner (nearest the board)
X3O = Outer

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Special Instructions

ST800 CONTROLLER ITEMS LIST SHEET 1 (*I*L*)

ITEM	DRAWING NUMBER	DESCRIPTION	QTY	TOT	REMARKS
1					
2	667/1/27000/001	Cabinet 8 Phase wired 16 Phase		1	
3	667/1/27000/002	Cabinet 24 Phase wired 32 Phase			
4	667/1/27001/001	Rack 8 Phase wired 16 Phase			
5	667/1/27001/002	Rack 24 Phase wired 32 Phase			
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24	667/1/27002/000	Lamp Switch Kit 8 Phase		1	
25	667/1/27003/000	I/O Kit			
26	667/1/27005/000	SDE Facility Kit		1	
27	667/1/27004/000	Integral OTU Kit		1	
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39	667/1/16276/548	Configuration Eprom (Issue 3. 0)		1	
40					

Note 1:
 Please refer to special instruction pages for additional information on items marked with an '*'.
 *

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Special Instructions

ST800 CONTROLLER ITEMS LIST SHEET 2 (*I*L*)

ITEM	DRAWING NUMBER	DESCRIPTION	QTY	TOT	REMARKS
41					
42	667/1/27056/001	Manual Panel Assy (Intersection Cont)			
43	667/1/27056/010	Manual Panel Assy (Sigs on/off)			
44	667/1/27056/000	Manual Panel Blanking Kit			
45					
46					
47					
48					
49					
50					
51					
52	667/7/25171/000	Current Transformer			
53					
54					
55					
56					
57					
58					
59					
60					
61	667/1/27000/101	Cabinet Export 8 Phase wired 16 Phase			
62	667/1/27000/102	Cabinet Export 24 Phase wired 32 Phase			
63	667/1/27001/101	Rack Export 8 Phase wired 16 Phase			
64	667/1/27001/102	Rack Export 24 Phase wired 32 Phase			
65	667/1/27002/100	Export Lamp Switch Kit			
66	667/1/27084/001	Dimming Assembly (1.5KVA) (Fit Std UK)			
67	667/1/27084/002	Dimming Assembly (2.0KVA)			
68	667/1/27084/003	Dimming Assembly (3.0KVA)			
69	667/1/27130/000	30A Controller Kit			
70					
71	667/1/27001/310	ST800 SE Export Rack up to 8 Phase			
72	667/1/27223/003	ST800 SE 8 Phase Driver No LMU			
73	667/1/27223/403	ST800 SE 4 Phase Driver No LMU			
74					
75					
76					
77	667/1/27000/301	ST800 P In a Cabinet 4Ph 1 Stream PED			
78	667/1/27012/000	PED 2nd Stream Kit for ST800 P			
79	667/1/27001/300	ST800 P Rack Only 4Ph 1 Stream PED			

Note 2:
 Ancillary Processor PLD
 Variants
 101 OTU & LMU
 102 OTU Only
 103 LMU Only
 104 OTU & LMU + Up/Download
 105 OUT Only + Up/DownLoad
 NB Controller Has built in LMU
 So LMU on Ancillary Processor
 Not required included for info
 only.

Note 3:
 Fit Current Transformer
 starting from position
 TLB/z/16 on the first phase
 driver PCB. if more than 3
 sensors are called up fit the
 4th sensor to the second
 Phases driver PCB, and so on
 until all sensors have been
 used up.
 TLB/b/14 - 1st sensor terminal
 TLB/z/16 - 2nd sensor terminal
 TLB/z/14 - 3rd sensor terminal
 TLB/z/12 - 4th sensor terminal
 TLB/z/12 - 4th sensor terminal

TLB/z/12 - 4th sensor terminal

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Special Instructions

DETECTOR EQUIPMENT SHEET (*I*L*)

Item	Drawing Number	DESCRIPTION	QTY	TOT	REMARKS
1	667/1/20690/000	Detector 11 inch detector rack kit			
2	667/1/20690/001	Detector 19 inch detector rack kit	1		
3	667/1/17705/011	Detector Beehive kit (excl Pedestal)			
4	667/2/01999/000	Pedestal (Metric) D Detr. Housing			
5	667/1/17212/000	Detector L bracket kit			
6	667/1/22447/000	Detector Mounting Kit E.F.U. (T500)			
7	667/1/22470/000	Detector Frame Assy (T500)			
8	667/1/15990/002	Detector double backplane kit			
9	667/1/15990/003	Detector single backplane kit	6		
10	667/1/15990/004	Detector logic backplane kit			
11					
12	667/7/21031/002	Loop Veh Det (2 Channel) to DOT TR 100			
13	667/7/21031/004	Loop Veh Det (4 Channel) to DOT TR 100	6		
14					
15	667/1/03887/000	Detector Cableform (1 per 2 B/Planes)			
16	667/1/15854/000	Detector Cable termination kit	4		
17					
18	667/1/15991/000	Mod Kit Regulator PSU 1.5A 21-38V			
19	667/1/15991/001	Mod Kit Regulator PSU 0.5A 21-48V			
20					
21					
22	667/7/20360/002	Microsense Detr. Board 2 Channel			Eng. to supply
23	667/7/20360/004	Microsense Detr. Board 4 Channel			Eng. to supply
24	667/7/20368/000	Microsense Rack 3Ux19"			Eng. to supply
25	667/7/20365/000	Microsense 20-Way Backplane (Std)			Eng. to supply
26	667/7/20366/000	Microsense 20-Way Logic Backplane			
27	667/7/20369/000	Microsense Card Frame Guides (Pr.)			Eng. to supply
28					
29	667/7/20361/002	Microsense 2 Channel U/D Logic			
30	667/7/20361/004	Microsense 4 Channel U/D Logic			
31	667/7/20362/000	Microsense Count Logic N,N+1,U/D & DFM			
32	667/7/20363/000	Microsense Queue Logic with DFM			Eng. to supply
33	667/7/20364/000	Microsense Bus Detector 2-Channel			Eng. to supply
34					
35					
36	667/7/20377/000	Microsense MIX 3-1-R-24 I/R detector			Nearside mounting
37	667/7/20377/001	Microsense MIX 3-2-R-24 I/R detector			Offside mounting
38	667/7/20378/000	Short fixing bracket			
39	667/7/20379/000	Sighting Hood for MIX detectors			Eng. to supply
40	667/7/20380/000	Handbook for MIX detectors			Eng. to supply

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Input/Output

Input/Output

Enable Signal Required Check boxes

Port Number & Type
 Port:

Inputs & Outputs

	DET No	Bit No	Type I or O	Name	Req'd	BP	Inv	U/D	Misc	DFM		Ext time	Phs	Used By							Term Block	Term No		
										A	0			UTC	SDE	Pri	HC	CC	AR	UD				
<input type="radio"/>	0	0	I	AX	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	1	
<input type="radio"/>	1	1	I	AYZ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	2
<input type="radio"/>	2	2	I	BX	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	3
<input type="radio"/>	3	3	I	BYZ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	4
<input type="radio"/>	4	4	I	CX	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	5
<input type="radio"/>	5	5	I	CYZ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	6
<input type="radio"/>	6	6	I	DX1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	7
<input type="radio"/>	7	7	I	DYZ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBG	8

Add
Delete
Move
Clear Used By

Works Order : 460447503
 EM Number : 68548
 Engineer : Stuart Mulliner
 Intersection : Outer Circle Road / Wragby Road Lincoln

Input/Output

Input/Output

Enable Signal Required
 Check boxes

Port Number & Type

Port:

Inputs & Outputs

	DET No	Bit No	Type I or O	Name	Req'd	BP	Inv	U/D	Misc	DFM	DFM Group	Ext time	Phs	UTC	SDE	Pri	HC	CC	AR	UD	Term Block	Term No	
<input type="radio"/>	8	0	I	EX	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	1
<input type="radio"/>	9	1	I	EYZ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	2
<input type="radio"/>	10	2	I		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	3
<input type="radio"/>	11	3	I		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	4
<input type="radio"/>	12	4	I		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	5
<input type="radio"/>	13	5	I		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	6
<input type="radio"/>	14	6	I		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	7
<input type="radio"/>	15	7	I		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBH	8

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 Check boxes

Port Number & Type

Port:

Inputs & Outputs

	DET No	Bit No	Type I or O	Name	Req'd	BP	Inv	U/D	Misc	DFM	DFM Group	Ext time	Phs	UTC	SDE	Pri	HC	CC	AR	UD	Term Block	Term No	
<input type="radio"/>	48	0	I	PEDG	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	1
<input type="radio"/>	49	1	I	PEDH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	2
<input type="radio"/>	50	2	I	PEDI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	3
<input type="radio"/>	51	3	I	PEDJ	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	4
<input type="radio"/>	52	4	I	TOUCK	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	5
<input type="radio"/>	53	5	I	TOUCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	6
<input type="radio"/>	54	6	I	TOUCM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	7
<input type="radio"/>	55	7	I	TOUCN	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	0.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBN	8

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Check boxes

Port Number & Type
 Port:

Inputs & Outputs

	DET No	Bit No	Type I or O	Name	Req'd	BP	Inv	U/D	Misc	DFM	DFM Group	Ext time	Phs	UTC	SDE	Used By				Term Block	Term No	
																Pri	HC	CC	AR UD			
<input type="radio"/>	56	0	I	ONCROSK1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBP	1
<input type="radio"/>	57	1	I	ONCROSK2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBP	2
<input type="radio"/>	58	2	I	ONCROSL1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBP	3
<input type="radio"/>	59	3	I	ONCROSL2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBP	4
<input type="radio"/>	60	4	I	ONCROSM1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBP	5
<input type="radio"/>	61	5	I	ONCROSM2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBP	6
<input type="radio"/>	62	6	I	ONCROSN1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBP	7
<input type="radio"/>	63	7	I	ONCROSN2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	1	1.6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBP	8

Add

Delete

Move

Clear Used By

Works Order : 460447503
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Input/Output

Input/Output

Enable Signal Required
 Check boxes

Port Number & Type

Port:

Inputs & Outputs

	DET No	Bit No	Type I or O	Name	Req'd	BP	Inv	U/D	Misc	DFM	DFM Group	Ext time	Phs	UTC	SDE	Pri	HC	CC	AR	UD	Term Block	Term No	
<input type="radio"/>	64	0	I	SCOOT1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBR	1
<input type="radio"/>	65	1	I	SCOOT2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBR	2
<input type="radio"/>	66	2	I	SCOOT3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBR	3
<input type="radio"/>	67	3	I	SCOOT4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBR	4
<input type="radio"/>	68	4	I	SCOOT5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBR	5
<input type="radio"/>	69	5	I	SCOOT6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBR	6
<input type="radio"/>	70	6	I	SCOOT7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBR	7
<input type="radio"/>	71	7	I	SCOOT8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A	0	0.0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1TBR	8

Works Order : 460447503
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Aspect Drives

Aspect Drives

A-L
 M-X
 Y-F2

Phase Driver Card 1

	Used For	Term Block	Term No
A - Red	Phase	1TBA	1
A - Amber	Phase	1TBA	2
A - Green	Phase	1TBA	3
B - Red	Phase	1TBA	4
B - Amber	Phase	1TBA	5
B - Green	Phase	1TBA	6
C - Red	Phase	1TBA	7
C - Amber	Phase	1TBA	8
C - Green	Phase	1TBA	9
D - Red	Phase	1TBA	10
D - Amber	Phase	1TBA	11
D - Green	Phase	1TBA	12

Phase Driver Card 1

	Used For	Term Block	Term No
E - Red	Phase	1TBB	1
E - Amber	Phase	1TBB	2
E - Green	Phase	1TBB	3
F - Red	Phase	1TBB	4
F - Amber	Phase	1TBB	5
F - Green	Phase	1TBB	6
G - Red	Phase	1TBB	7
G - Amber	Phase	1TBB	8
G - Green	Phase	1TBB	9
H - Red	Phase	1TBB	10
H - Amber	Phase	1TBB	11
H - Green	Phase	1TBB	12

Phase Driver Card 2

	Used For	Term Block	Term No
I - Red	Phase	1TBC	1
I - Amber	Phase	1TBC	2
I - Green	Phase	1TBC	3
J - Red	Phase	1TBC	4
J - Amber	Phase	1TBC	5
J - Green	Phase	1TBC	6
K - Red	Phase	1TBC	7
K - Amber	Phase	1TBC	8
K - Green	Phase	1TBC	9
L - Red	Phase	1TBC	10
L - Amber	Phase	1TBC	11
L - Green	Phase	1TBC	12

Works Order : 460447503
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Aspect Drives

Aspect Drives

A-L
 M-X
 Y-F2

Phase Driver Card 2

	Used For	Term Block	Term No
M - Red	Phase	1TBD	1
M - Amber	Phase	1TBD	2
M - Green	Phase	1TBD	3
N - Red	Phase	1TBD	4
N - Amber	Phase	1TBD	5
N - Green	Phase	1TBD	6
O - Red			
O - Amber			
O - Green			
P - Red			
P - Amber			
P - Green			

Phase Driver Card 3

	Used For	Term Block	Term No
Q - Red			
Q - Amber			
Q - Green			
R - Red			
R - Amber			
R - Green			
S - Red			
S - Amber			
S - Green			
T - Red			
T - Amber			
T - Green			

Phase Driver Card 3

	Used For	Term Block	Term No
U - Red			
U - Amber			
U - Green			
V - Red			
V - Amber			
V - Green			
W - Red			
W - Amber			
W - Green			
X - Red			
X - Amber			
X - Green			

Works Order : 460447503
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I/O - Group DFM Timings

I/O - Group DFM Timings

Input Group	State	SET A	SET B	SET C	SET D
Group 0	Active (Mins)	<input type="text" value="60"/>	<input type="text" value="60"/>	<input type="text" value="60"/>	<input type="text" value="60"/>
	InActive (Hrs)	<input type="text" value="48"/>	<input type="text" value="48"/>	<input type="text" value="48"/>	<input type="text" value="48"/>
Group 1	Active (Mins)	<input type="text" value="30"/>	<input type="text" value="30"/>	<input type="text" value="30"/>	<input type="text" value="30"/>
	InActive (Hrs)	<input type="text" value="72"/>	<input type="text" value="72"/>	<input type="text" value="72"/>	<input type="text" value="72"/>
Group 2	Active (Mins)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	InActive (Hrs)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Group 3	Active (Mins)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	InActive (Hrs)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Group 4	Active (Mins)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	InActive (Hrs)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Group 5	Active (Mins)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	InActive (Hrs)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Group 6	Active (Mins)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	InActive (Hrs)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Group 7	Active (Mins)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	InActive (Hrs)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Handset Limiting Values

State	Min	Max
Active (Mins)	<input type="text" value="0"/>	<input type="text" value="254"/>
InActive (Hrs)	<input type="text" value="0"/>	<input type="text" value="254"/>

Note - 255 or blank disables DFM monitoring of that state (active or inactive) during that timeset (/

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