CONFIDENTIAL

INDEX	ITEM NO	ED	AMENDMENT	DATE	SIGN
		C	SUITABLE FOR LA36 USE ALSO	210524	ST

SUPPLY STATUS

mains failed and 24v dc lamps are illuminated- MAINS POWER FAILED - BATTERY BACK UP HEALTHY
no lamps illuminated- check fuses and battery connections.

CHARGE RATE SET TO 2.5A AT 27.2v DC, 20A BLADE FUSE FITTED

DRU30 UPS UNIT
24v DC IN
LOAD
BATTERY DISCHARGE
BATT
0v
24v
50
1
51
52
53
24v DC 20A POWER SUPPLY
24v
230v
L
N
MAINS HEALTHY
24v DC
MAINS FAILED
F2 20 A
54
55
2 x 12v 14Ah BATTERIES

ACTUATORS HAVE INTERNAL END STOP LIMIT SWITCHES

ALL RELAYS HAVE MANUAL OVERRIDE & INDICATORS

L1
F1 6A
(L)
(N)
L
N
E
L1 N
PANEL WIRING
FIELD WIRING
DEDICATED 230V 5A 1 PHASE INCOMING SUPPLY FROM UN-SWITCHED FUSED SPUR

1
2
3
4
5
6
7
EMERGENCY STOP LINK
OPEN
CLOSE
(6)
(7)
R1
T1
R2
T2
OPEN PANEL 1
OPEN PANEL 2
CLOSE PANEL 2
CLOSE PANEL 1
REMOTE KEYSWITCH OR PUSHBUTTON UNITS (not included)

TR-EM-239 PARALLEL CONTROLLER CARD panel 1

commands
actuator 1
actuator 2
1 0V
2 24V
14 5v out
9 extend
10 retract
16 Home
7
3
4
8
5
6
60
61
62
63
normal
home
R1
T2
(24v)
TOGGLE SWITCH internal to panel for use by authorised persons only
(0v)

TR-EM-239 PARALLEL CONTROLLER CARD panel 2

commands
actuator 1
actuator 2
1 0V
2 24V
14 5v out
9 extend
10 retract
16 Home
7
3
4
8
5
6
64
65
66
67
normal
home
T1
R2
TOGGLE SWITCH internal to panel for use by authorised persons only

BLACK
RED
21
22
9
10
11
NOT USED
NOT USED
BLUE
BLACK
BROWN
BLACK
RED
YELLOW
BROWN
BLUE
ACTUATOR 1 PANEL 1
FIRST TO OPEN
LAST TO CLOSE

12
13
14
23
24
BLUE
BLACK
BROWN
NOT USED
NOT USED
YELLOW
BROWN
BLUE
BLACK
RED
ACTUATOR 2 PANEL 1

LA34(31) ACTUATORS
3 WIRE ACTUATOR
LA36 ACTUATORS
USE 5 WIRES FOR ACTUATOR

25
26
15
16
17
NOT USED
NOT USED
BLUE
BLACK
BROWN
BLACK
RED
YELLOW
BROWN
BLUE
ACTUATOR 1 PANEL 2
LAST TO OPEN
FIRST TO CLOSE

18
19
20
27
28
BLUE
BLACK
BROWN
NOT USED
NOT USED
YELLOW
BROWN
BLUE
BLACK
RED
ACTUATOR 2 PANEL 1

BEFORE AND DURING ALL MOVEMENTS OF THE ACCESS COVER
ALWAYS ENSURE THAT THE AREA IN WHICH THE COVER WILL MOVE
IS CLEAR OF ALL OBSTRUCTIONS AND PERSONNEL
ALSO ENSURE THAT PANEL OPENING & CLOSING SEQUENCES ARE CORRECT
WHEN OPENING PANEL 1 OPENS FIRST– 15 SECOND DELAY BEFORE PANEL 2 OPENS
WHEN CLOSING PANEL 2 CLOSES FIRST– 15 SECOND DELAY BEFORE PANEL 1 CLOSES
KEYSWITCH MUST BE HELD IN CORRECT POSITION– RELEASING RESETS TIME SEQUENCE
timers can be adjusted to suit

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MANUAL CHANGES PROHIBITED

ITEM NO	NO OFF	DRG NO.	ITEM MASS	DENOMINATION	MATERIAL	REMARKS
				-		
				-		
				Electrical Circuit		
					DRAWN BY	ST
					DRAWN DATE	010914

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STANDARD	SP1185G	C