TORQUE SPECIFICATIONS FOR FIELD WIRES, USE MINIMUM 60° C WIRE COPPER CONDUCTOR WIRING FIELD WIRING INDICATED BY (---------)	
COMPONENT	TORQUE SPECIFICATION (IN-LBF)
PLC-TB1	4.4

DISPLAY

PB1

PRIMARY MEMBRANE

PRIMARY MEMBRANE

MB1
MAIN BOARD

LIGHT

LT1
R/A/G

SYS BUS

SYSBUS

SYSBUS-CBL

from 168

SECONDARY MEMBRANE

L5 MAS

INPUTS 12V 12V 12V IN1 IN2 IN3

93 TB1

94 TB1

OPTIONAL LIFTMASTER LOGIC 5.0 MAS

CUSTOMER SUPPLIED
115 V, 1 PHASE, 60 HZ
FROM BRANCH CIRCUIT DISCONNECT SWITCH & OVERCURRENT DEVICE. BY OTHERS.

INSTALL PER LOCAL ELECTRICAL CODES

NOVA RECOMMENDS INSTALLING A DISCONNECT NEAR CONTROL PANEL

DRAWING SHOWS SYSTEM AT REST WITH POWER OFF & OVERHEAD DOOR FULLY LOWERED

L1 L1 L1
L2 L2 L2
GND GND
TB1

L1 TB1

2A CB1

11

11 TB1

GND GND TB1

PWS1
L PE N
-V +V
12 VDC POWER SUPPLY

21 TB1

20 TB1

L2 TB1

51 52 21
Green Red 0V

RED: 125 mA @ 12 VDC
GREEN: 95 mA @ 12 VDC

OUTSIDE LIGHT ASSY

THIS DRAWING SHOWS CONNECTIONS FOR A 1 LAMP RED-GREEN LIGHT ASSY. SEE DRAWING 1026-100000 FOR CONNECTIONS FOR A 2 LAMP RED-GREEN LIGHT ASSY

20 OPTIONAL - DOOR CLOSED CONTACT 25

DOOR CLOSED CONTACT TO PREVENT EQUIPMENT FROM OPERATING UNTIL DOOR FULLY LOWERED &/OR TO AUTOMATICALLY RESET SYSTEM TO NORMAL WHEN DOOR FULLY LOWERED.

YELLOW JUMPER

REMOVE JUMPER BETWEEN TERMINAL BOARD TERMINALS 21 & 30 IF DOOR SENSORS INSTALLED

20 OPTIONAL - DOOR OPEN CONTACT 24

DOOR OPEN CONTACT TO PREVENT EQUIPMENT FROM OPERATING UNTIL DOOR FULLY RAISED

YELLOW JUMPER

REMOVE JUMPER BETWEEN TERMINAL BOARD TERMINALS 20 & 29 IF DOOR SENSORS INSTALLED

DOOR CONTACTS BY OTHERS. MAY BE PROVIDED BY NOVA. IF SPECIFIED, CONTACTS USED IN 12 VDC CIRCUIT. CURRENT RATING 150 mA MINIMUM. OFF STATE LEAKAGE CURRENT 1 uA MAXIMUM. ON STATE VOLTAGE DROP 1 V MAXIMUM

ALM1
LA
N
LB

EXP BOARD

PLC-TB1

SMALL TERMINAL BOARD

36	0V	3	SOLID STATE OUTPUTS		HV INPUTS	2	ACN	ACN	18
35									17
34									16
33		2				1			15
32		1				ACH	ACH		14
31	NC								13
30		4							12
29		3	DC INPUTS						11
28		2							10
27		1							9
26	NC								8
25	PE								7
24	PE				RELAY OUTPUTS	3	COM		6
23	0V					2	COM		5
22						1	COM		4
21									3
20									2
19	+12 VDC								1

21
52
51
50
N.C.
25
24
23B
22A
N.C.
21
20
20
20

L2
45
11
11 TB1

N.C.
N.C.
N.C.
N.C.
N.C.
N.C.
N.C.

MAIN BOARD

20 TB1

CR11 11 14 172 23A CR10 21 22 168

CR10 11 14 168

21 TB1

20 TB1

COMMON
SIGNAL
RESTRAINT ENGAGED DRY CONTACT FOR INTERLOCKING WITH OTHER EQUIPMENT BY OTHERS
0.5 A MAX, 120 VAC, GENERAL USE

SYSBUS-CBL
to 112

OPTIONAL LEVELER STORED SWITCH WIRING
WILL BE ONE OR THE OTHER BASED ON THE LEVELER TYPE

REMOVE JUMPER BETWEEN TERMINAL BOARD TERMINALS 14 & 15 IF PRS8 OR LS3 INSTALLED

YELLOW JUMPER

JUNCTION BOX BY OTHERS

LEVELER
OPTIONAL PRS8

45 RED
11 RED

PRS8 - OPTIONAL - LEVELER STORED INDICATES LEVELER LIP FULLY FOLDED WHEN CLOSED. NOT FULLY FOLDED WHEN OPEN.

BY SYSTEMS MINIMUM WIRE SIZE - 18 AWG

JUNCTION BOX BY OTHERS

LEVELER
OPTIONAL LS3

45 RED
11 RED

LS3 - OPTIONAL - LEVELER STORED INDICATES LEVELER LIP FULLY FOLDED WHEN CLOSED. NOT FULLY FOLDED WHEN OPEN.

BY SYSTEMS MINIMUM SIZE WIRE - 18 AWG

RESTRAINT

JUNCTION BOX BY OTHERS

PRS5

PRS5 - INDICATES RESTRAINT FULLY LOWERED WHEN CLOSED, NOT FULLY LOWERED WHEN OPEN.

BRN BLU

PRS6

PRS6 - INDICATES RESTRAINT ENGAGED WHEN CLOSED, NOT ENGAGED WHEN OPEN.

BRN BLU

BLU 22
BLU 23
BLU 20

22 TB1
23 TB1
20 TB1

CR10 A1 A2
CR11 A1 A2

21 TB1

CR10
NO 155
NC 151

CR11
NO 151
NC

20 TB1

MINIMUM WIRE SIZE - 18 AWG

SEE OPTIONS AND FEATURES STICKER ON INSIDE OF CONTROLLER FOR APPLICABLE OPTIONS

REFER TO IDOCK USER'S MANUAL FOR PROPER OPERATION OF EQUIPMENT

FOR APPLICATIONS WHERE MOISTURE IS A CONCERN REFER TO TECHNICAL SERVICE BULLETIN TSB 19-053

-	26-031	06/03/26	INITIAL RELEASE

ELECTRICAL SCHEMATIC
MAIN TERMINAL BOARD

LEVELER: NONE		RESTRAINT: EZ-LOCK	
115 VOLTS	1 PHASE	60 HERTZ	
DATE: 05/28/26	DRAWING NO.		
DRAWN BY: MLC	9004-0A01		
SHT 1 OF 2			