



Low Voltage
Connections

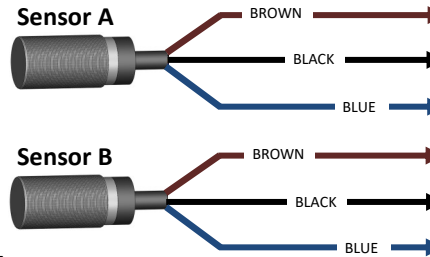
24 VDC Auxiliary Power
(2 amps max)
Auxiliary Power Common

TB2

PLC LEDs listed in **RED** should always be ON for normal operation.

Y0	Contactor Control	normally ON
Y1	Inverter Enable	normally ON
Y4	Solenoid Lock Retract	On during operation
Y5	Open Status	On when open
Y6	Close Status	On when closed
Y7	Fault Status	Off indicates a fault
Y15	Entrapment Power	Off during entrapment device test
Y17	Prestart Warning	On prior to gate starting to close
X0, X2	Proximity Switch A	LEDs will turn off and on depending upon the position of the sensors.
X1, X3	Proximity Switch B	
X4	Inverter Drive Healthy	normally ON
X6	OPERATE	ON when activated
X7	FREE EXIT LOOP	On while exit loop activated
X10	SAFETY LOOP	On while safety loop activated
X11	SHADOW LOOP	On while shadow loop activated
X12	Motor Thermal Switch	normally ON
X13	STOP Push Button	OFF when activated
X14	OPEN Push Button	ON when activated
X15	CLOSE Push Button	ON when activated
X17	Drive Photo Beam N/C	OFF when activated
X20	UL Photo Beam N/C	OFF when activated
X21	FAULT RESET	ON when activated
X22	UL Edge Switch N/C	OFF when activated
X23	Power Good	normally ON

24VDC Power for Entrapment Devices



Operate Input N/O

Free Exit Loop N/O

Safety Loop N/O

Shadow Loop N/O

Monitored Devices

UL325 Edge Detector*	COM
	N/C
UL325 Rear Photo Beam*	COM
	N/C
Photo Beam (across drive)*	COM
	N/C

*All 3 devices powered from ENTRP POWER

not used

OPEN STATUS

CLOSE STATUS

FAULT STATUS
(normally closed)

SIREN WARNING
PRESTART

STOP
COMMON
OPEN
CLOSE

EMERGENCY CLOSE
(optional)

CODE #	Description	FAULT CODES
100	UL HARD SHUTDOWN	
200	WEDGED LOCKPIN during OPENING	
201	WEDGED LOCKPIN during CLOSING	
210	K-LOCK OPEN Limit Failure	
211	K-LOCK CLOSE Limit Failure	
300	UL325 Entrapment Input Activated while OPENING (see fault code 303 / 304 to identify device)	
301	UL325 Entrapment Input Activated while CLOSING (see fault code 303 / 304 to identify device)	
302	Photo Beam across drive (non UL325) failed during ENTRAPMENT Monitor Test	
303	NON-CONTACT Device (photo beam) activated or failed during the ENTRAPMENT Monitor Test	
304	CONTACT Device (edge switch) activated or failed during the ENTRAPMENT Monitor Test	
400	MOTOR STALL TIMEOUT during OPENING	
401	MOTOR STALL TIMEOUT during CLOSING	
500	MOTOR HIGH TEMP	
600	PROXIMITY ADJUSTMENT Fault	
601	PROXIMITY ADJUSTMENT Warning	
602	OVERSPEED DETECTION	
700	COLLISION DETECTED during OPENING	
701	COLLISION DETECTED during CLOSING	
800	BAD CALIBRATION	
900	INVERTER Fault	
1000	PLC RESET	
1001	PLC running on optional 'Keep Alive' batteries	
1003	Anti-Breach Detected	
1101	DUAL GATE COMM ERROR – MASTER Failed reading SLAVE INPUT Status	
1102	DUAL GATE COMM ERROR – MASTER Failed reading SLAVE OUTPUT Status	
1103	DUAL GATE COMM ERROR – MASTER Failed reading SLAVE CONTROL Status	
1104	DUAL GATE COMM ERROR – Slave detected Loss of Communications	
1200	PLC BACKUP BATTERY LOW	