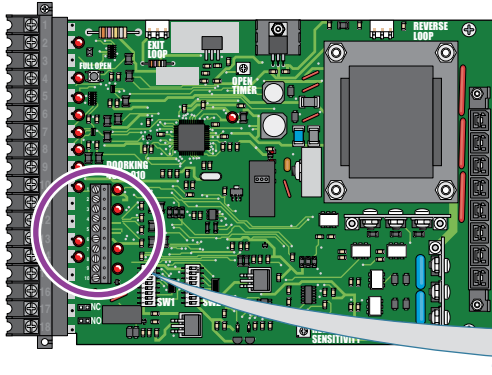


UL 325 Terminal Description

Use this control board on pre-2016 9100 and 9150 gate operators only.

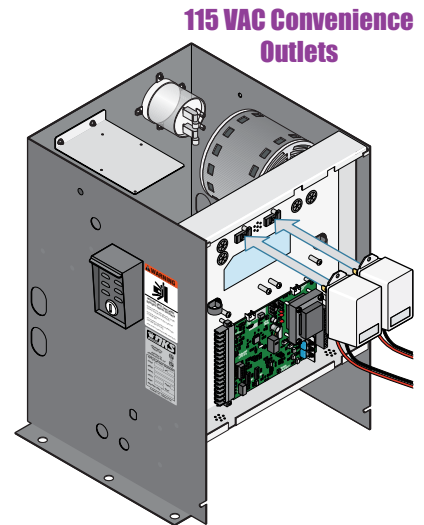
In addition to the inherent reversing sensor system, this control board has a UL 325 terminal for the connection of **photo sensors**-Type B1 and/or **reversing edges**-Type B2 entrapment protection required by UL 325 standards. **External entrapment protection devices MUST be installed in BOTH directions of gate travel.** Install these devices where the risk of entrapment or a safety hazard exists while the gate is moving. Specific installations will vary. 115 VAC Convenience outlets can be used to power external devices when necessary.



UL 325 LEDs:
LED ON: Connected device has been activated.
 LED remains off during normal operation.

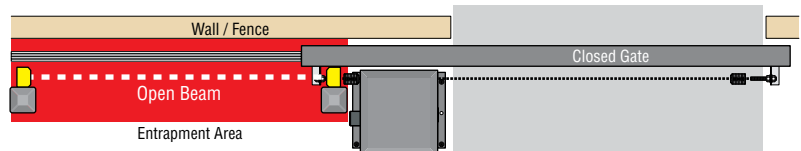
- 1 - OPEN Beam
- 2 - Common
- 3 - CLOSE Beam
- 4 - Common
- 5 - 24 VAC
- 6 - Common
- 7 - OPEN Edge
- 8 - Common
- 9 - CLOSE Edge
- 10 - Common

UL 325 Terminal and LEDs

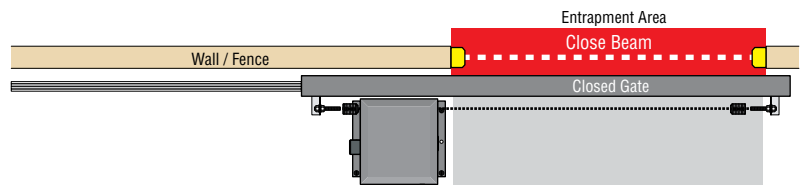


115 VAC Convenience Outlets

1 OPEN Beam Photo Sensor: Obstructed opening-direction photo beam will stop the gate **during the opening-direction only**. Gate will resume the open cycle when the obstructed photo beam has been cleared.

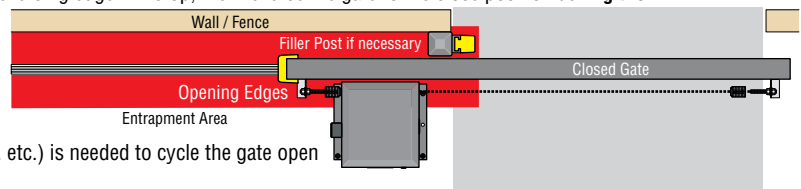


3 CLOSE Beam Photo Sensor: Obstructed closing-direction photo beam will stop the gate **during the closing-direction only**. Gate will resume the close cycle when the obstructed photo beam has been cleared.



7 OPEN Edge Reversing Edge: Obstructed opening-direction reversing edge will stop, then reverse the gate to the close position **during the opening-direction only**.

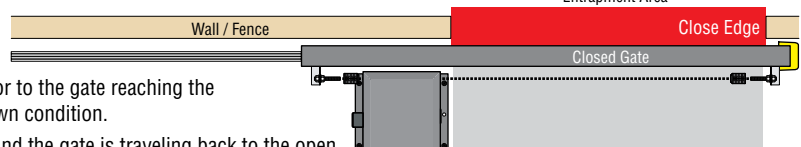
- After the gate reverses to the full close position, any opening input will cycle the gate again. Note: If the gate is opening by a time clock and an opening-direction reversing edge gets obstructed, the gate will return to the closed position and another input (automatic exit loop, reverse loop, etc.) is needed to cycle the gate open again.



- When the **opening-direction** reversing edge gets obstructed and the gate is traveling back to the close position and the **closing-direction** reversing edge gets obstructed, the gate will **stop** and enter a soft shutdown condition.

9 CLOSE Edge Reversing Edge: Obstructed closing-direction reversing edge will stop, then reverse the gate to the open position, **during the closing-direction only**.

- After the gate reverses to the open position, the timer will automatically close the gate (if it is turned on). If the closing-direction reverse edge is activated a **second** time prior to the gate reaching the close position, the operator will **stop** and enter a soft shutdown condition.



- When the **closing-direction** reversing edge gets obstructed and the gate is traveling back to the open position and the **opening-direction** reversing edge gets obstructed, the gate will **stop** and enter a soft shutdown condition.

Low Voltage Common: Common terminals for all entrapment protection device inputs: 2, 4, 6, 8, 10.