

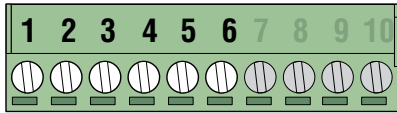
DOORKING® - Entrapment and Safety Protection

External Entrapment Protection Devices:

In addition to the inherent reversing sensor system, this operator 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. **At least ONE external entrapment protection device MUST be installed or the operator will NOT function.** Install these devices where the risk of entrapment or a safety hazard exists, examples of which are shown below. Specific installations will vary.

UL 325 Terminal

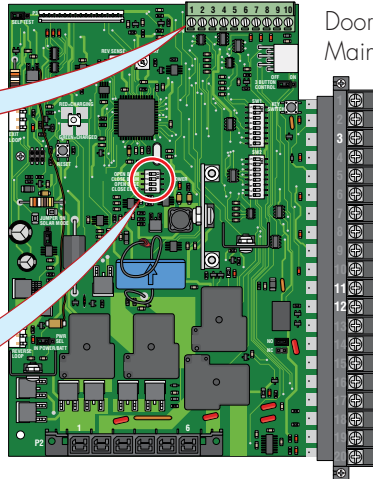
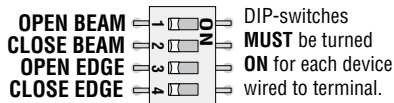
Connect **ONLY MONITORED** Devices



1 OPEN BEAM
2 CLOSE BEAM
3 OPEN EDGE
4 CLOSE EDGE
5 Ground (Common)

Note:
All safety devices are wired to the primary operator when using dual gate operators.

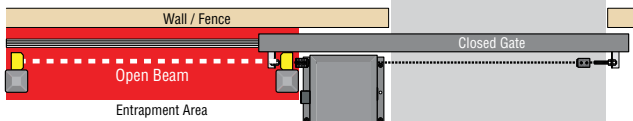
ONLY connect monitored devices.



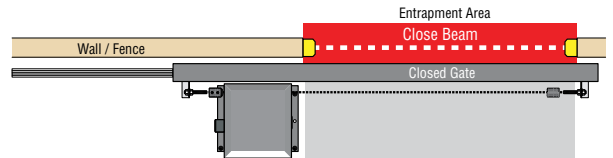
DoorKing 9024 20-PIN Main Terminal

Only 1 monitored Device can be connected to each input. An **OPTIONAL** Expansion Kit (sold separately) will allow connection for additional devices.

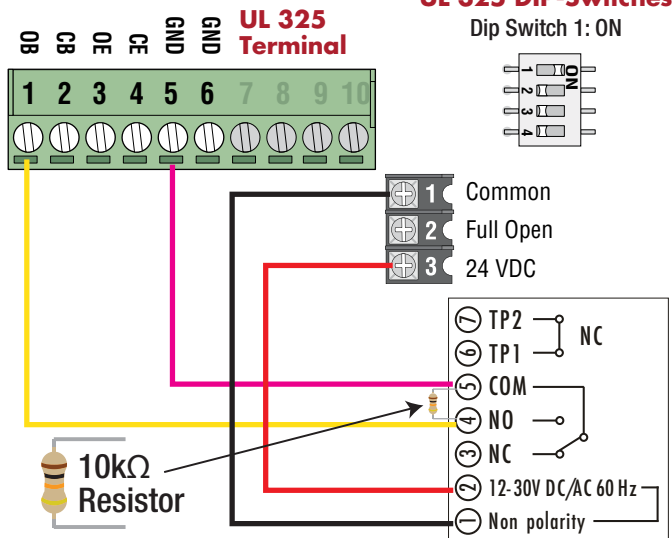
1 OPEN Beam Stop: Obstructed opening-direction photo beam will stop the gate **during the opening-direction only**. Gate will resume the open cycle when the obstructed photo beam has been cleared.



2 CLOSE Beam Reverse: Obstructed closing-direction photo beam will reverse the gate to the open position and reset the close-timer **during the closing-direction only**. Gate will close when timer times out.

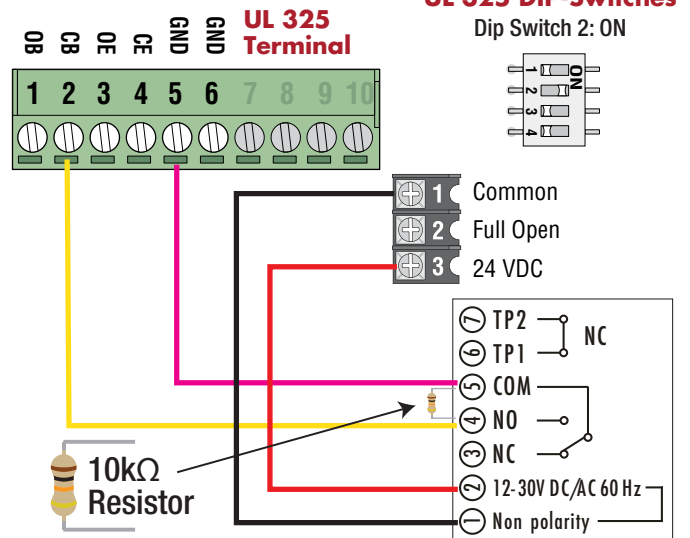


OPEN BEAM



iGAZE: R50LR-UL, R32P-UL, SR66HD, or SR33HD

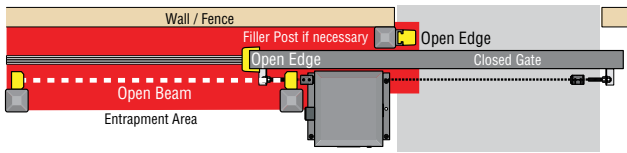
CLOSED BEAM



iGAZE: R50LR-UL, R32P-UL, SR66HD, or SR33HD

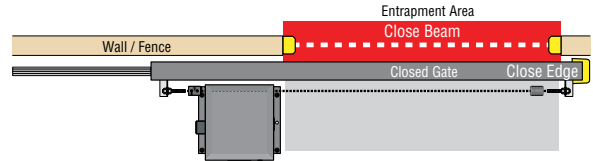
3 OPEN Edge/Beam Reverse: Obstructed reversing edge or photo beam will reverse the gate to the close position **during the opening-direction only.**

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

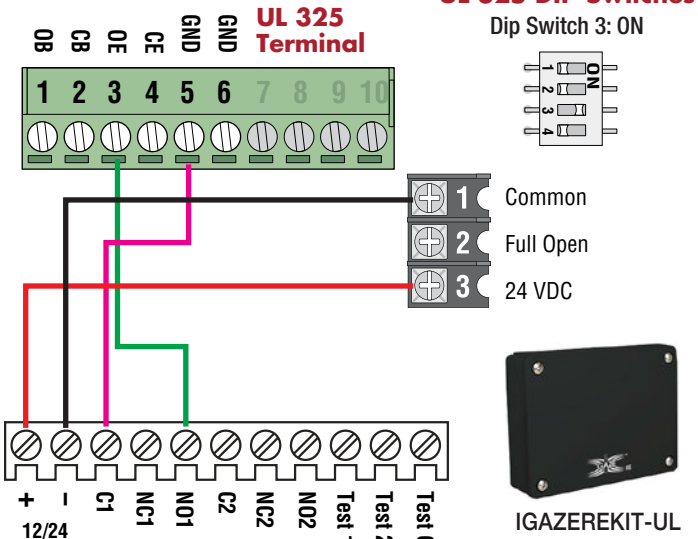


4 CLOSE Edge/Beam Reverse: Obstructed reversing edge or photo beam will reverse the gate to the open position **during the closing-direction only.**

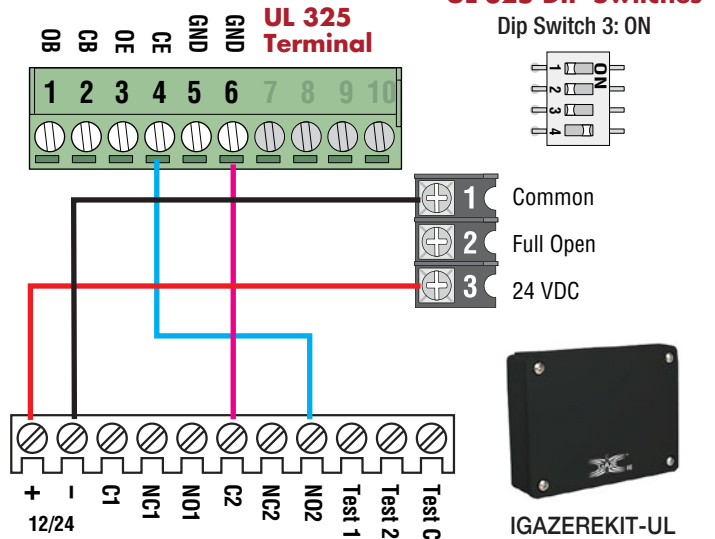
- After the gate reverses to the open position, the close-timer will time out and close the gate (if it is turned on).
- If a second sequential obstruction is encountered prior to the gate reaching the close limit, the gate will **reverse to full open position** and enter a soft shutdown condition.



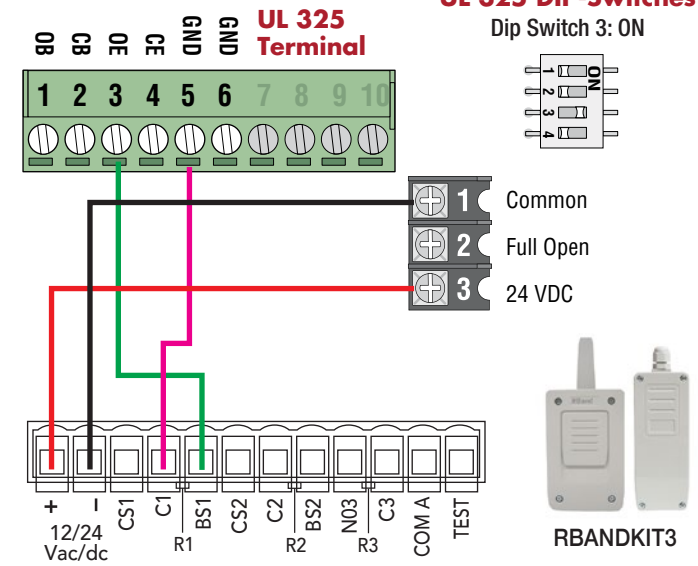
OPEN EDGE



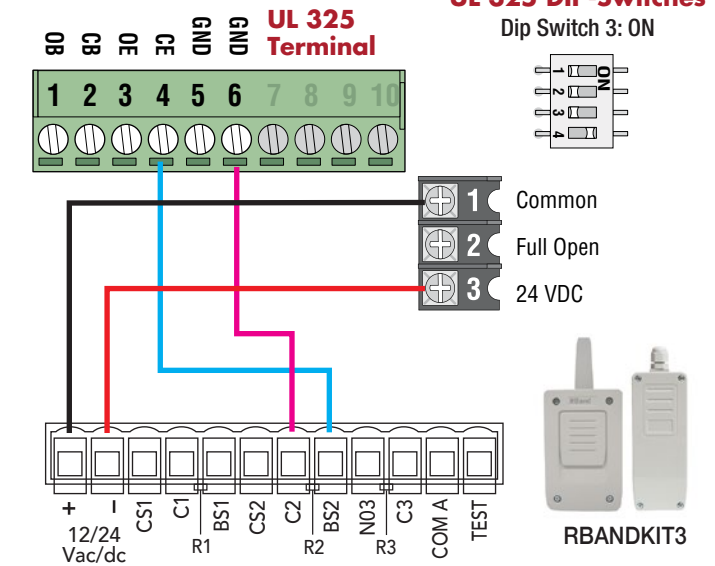
CLOSED EDGE



OPEN EDGE



CLOSED EDGE



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