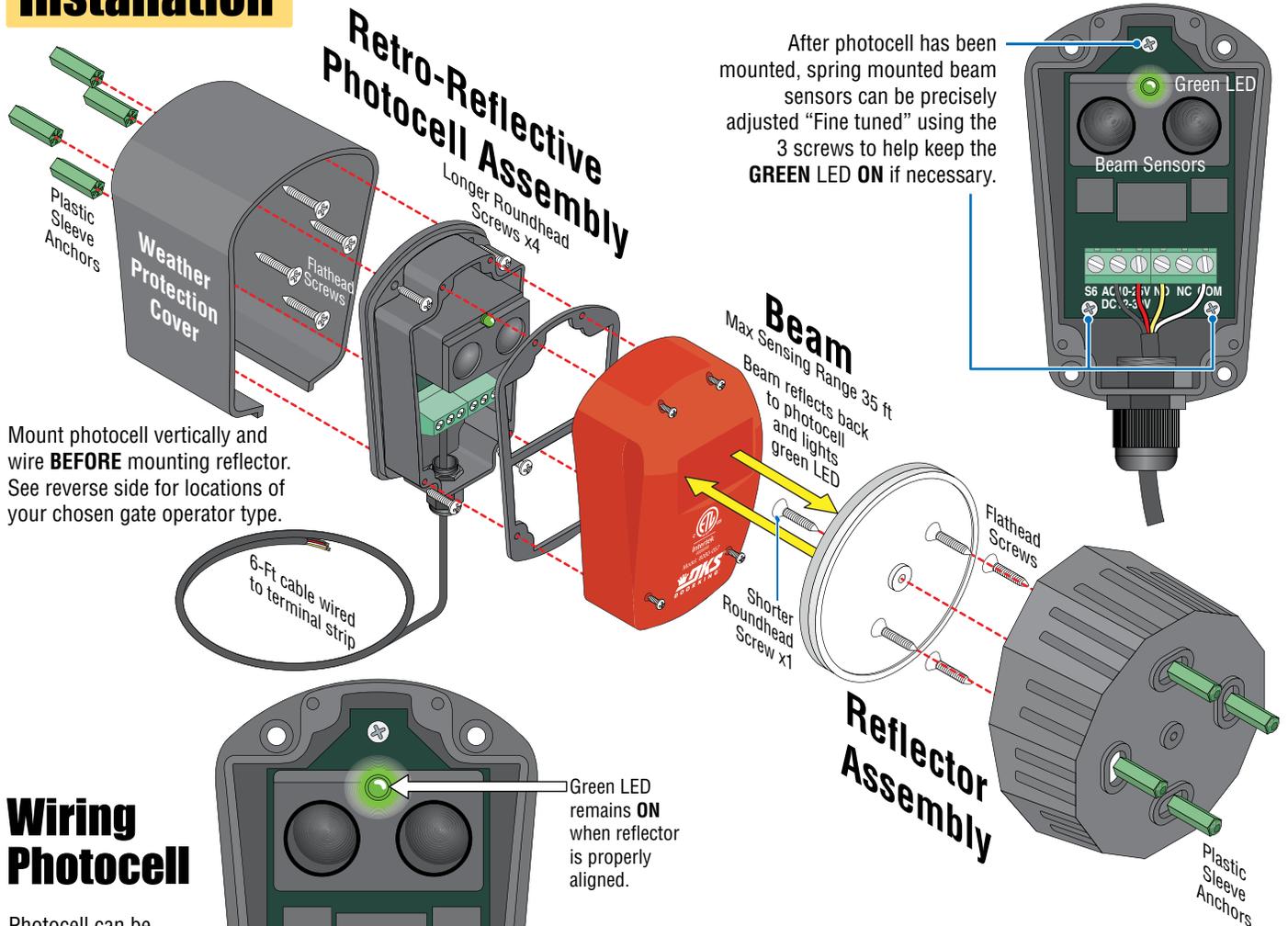


RETRO-REFLECTIVE PHOTOCELL TYPE B-1

DoorKing Part Number
8080-057

This retro-reflective photocell (UL 325 Type B-1) works with ALL DoorKing gate operators to comply with the 2018 UL 325 standards. It **must** be wired to the gate operator using the photocell's **NORMALLY OPEN** input so the gate operator can **monitor the photocell**. The photocell is powered by 12-24 VAC **OR** VDC from the gate operator if desired. The relay output is rated for 1 Amp @ 24 VAC **OR** VDC maximum. It **MUST** be mounted vertically as shown and not horizontally to protect it from the weather. The green LED will remain lit when the reflector is aligned correctly with the photocell. **The photocell has a max sensing range of 35 ft.**

Installation



Wiring Photocell

Photocell can be powered by the gate operator if desired or use a separate UL listed power supply. **DO NOT** connect power supply to a receptacle controlled by a ON/OFF switch.

Note: Relay contacts are labeled with power applied.

Position reflector directly across from mounted photocell. Green LED on photocell will remain lit when reflector is in correct position. Permanently mount reflector making sure LED remains lit. "Fine tune" photocell alignment if necessary, see above.



Black Wire: To Ground/Common
Red Wire: To 12-24 VAC / VDC

White Wire: To Ground/Common on DoorKing Operator Terminal

Yellow Wire: To Open or Close Beam on Gate Operator (depending on mounting location) on DoorKing UL 325 Terminal (**Monitored**)
OR

To **Reverse** Input on DoorKing Barrier Operator Terminal 9.
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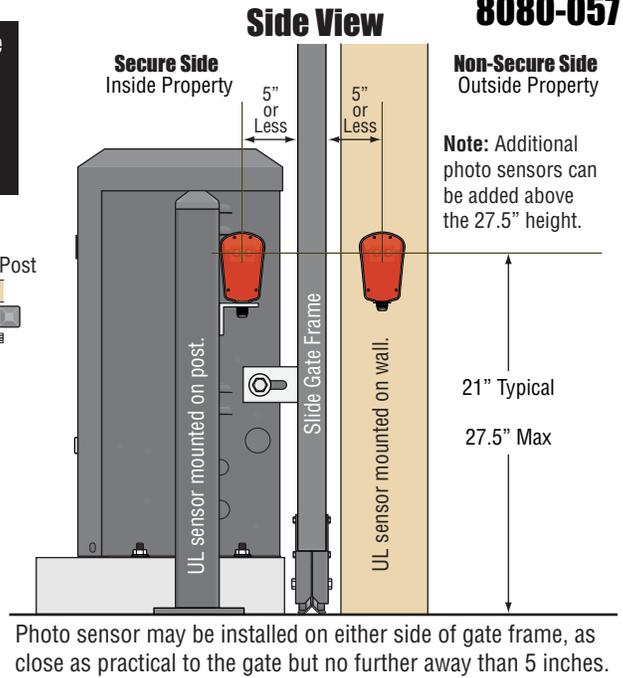
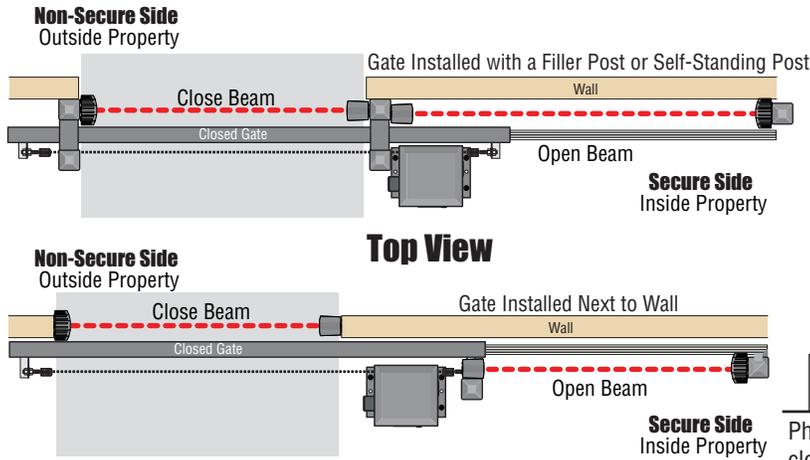
8080-165-G-9-23



SLIDE Gate Photo Sensor Locations

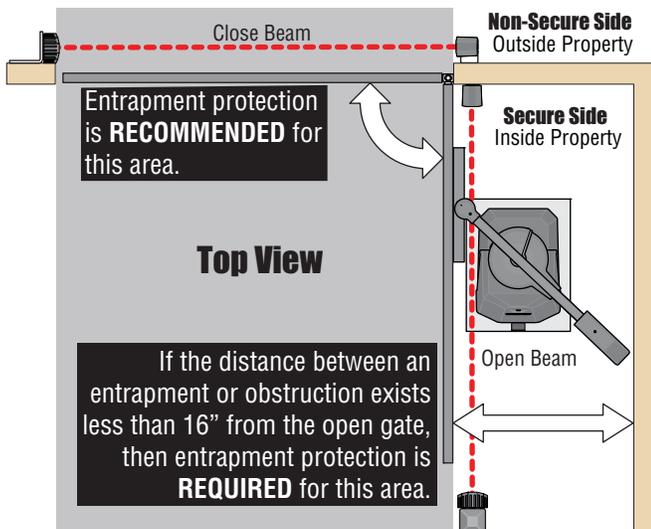
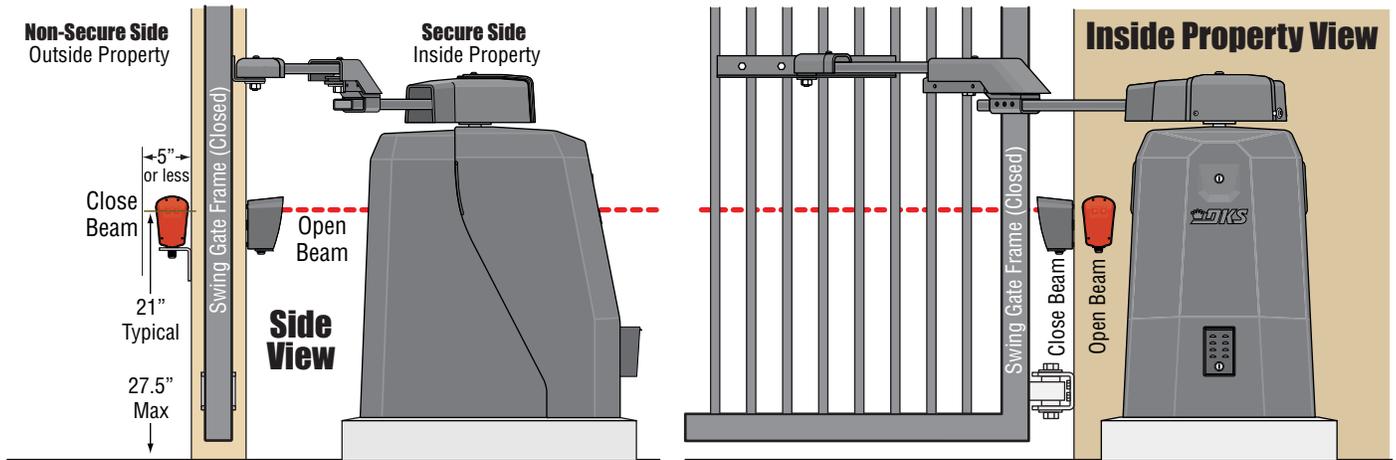
DoorKing Part Number
8080-057

Entrapment Protection **MUST** be provided for the DoorKing SLIDE gate system where the risk of entrapment or obstruction exists. The operator will **NOT** run without one or more monitored type B1 or B2 external entrapment protection devices in **EACH** direction of gate travel (minimum of 2 external devices required).



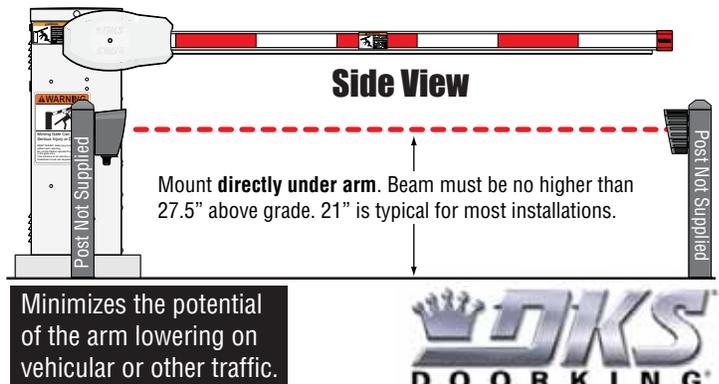
SWING Gate Photo Sensor Locations

Entrapment Protection **MUST** be provided for the DoorKing SWING gate system where the risk of entrapment or obstruction exists. The operator will not run without one or more monitored type B1 or B2 entrapment protection devices in **EACH** entrapment area.



BARRIER Gate Photo Sensor Location

DO NOT mount photocell to the operator cabinet. Cabinet can flex or vibrate during operation which may cause misalignment of the beam.



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