SLIDER Entrapment Protection Wiring

MAXIMUM MAX CONTROLS
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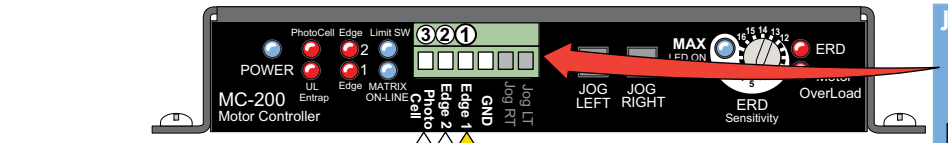
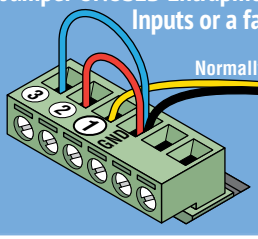


Photo Cell: LEARNED MONITORED OPEN/CLOSE

Edge 2: LEARNED MONITORED OPEN/CLOSE

EDGE 1: MONITORED CLOSE ONLY

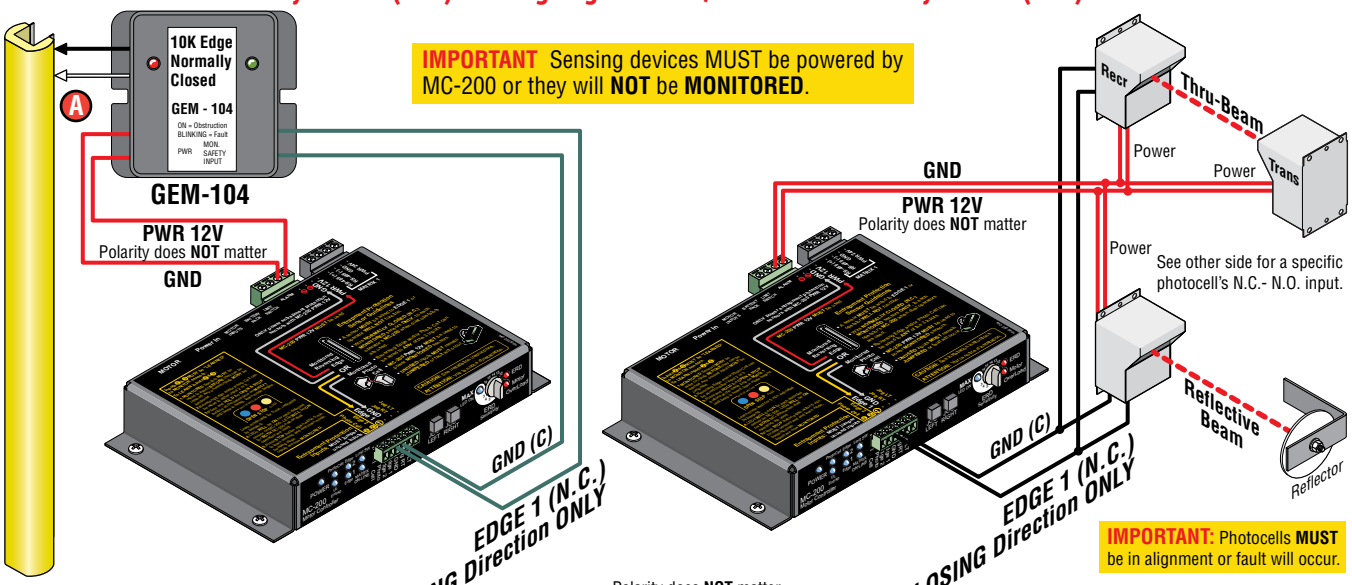
Jumper UNUSED Entrapment Protection Inputs or a fault will occur.

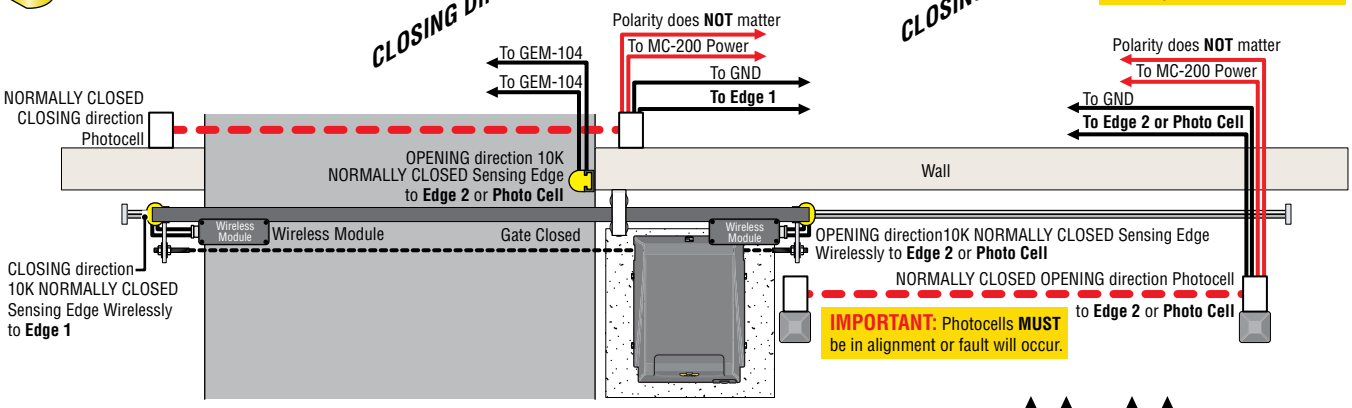


Example: Inputs 2 & 3 are **NOT** used and **MUST** be jumpered to **GND**.

Typical Wiring For:

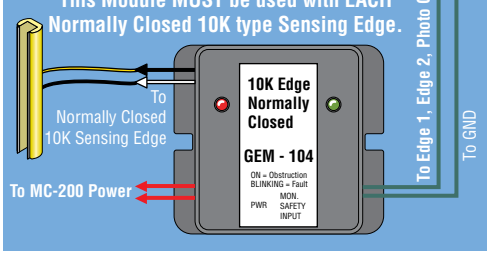
a 10K Normally Closed (N.C.) Sensing Edge..... AND/OR ..... a Normally Closed (N.C.) Photo Cell



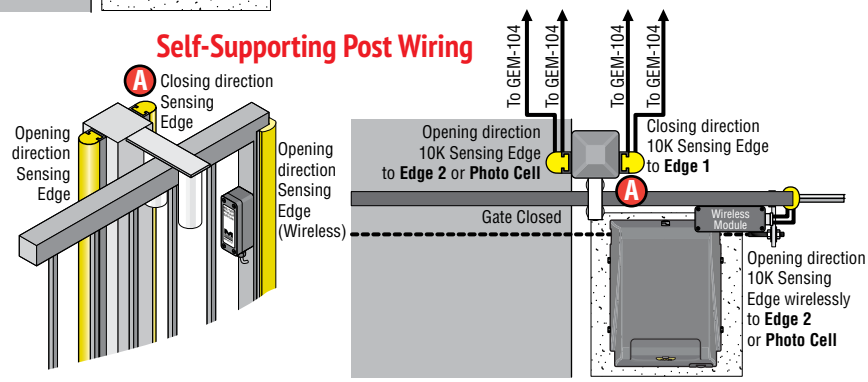


Gate Edge Module (GEM-104)

This Module MUST be used with EACH Normally Closed 10K type Sensing Edge.



Self-Supporting Post Wiring



DUAL GATE OPERATORS NOTE: Connect **EACH** photocell/sensing edge to the **corresponding gate operator**. See page 10 in the manual.

SLIDER Entrapment Protection "Learning"

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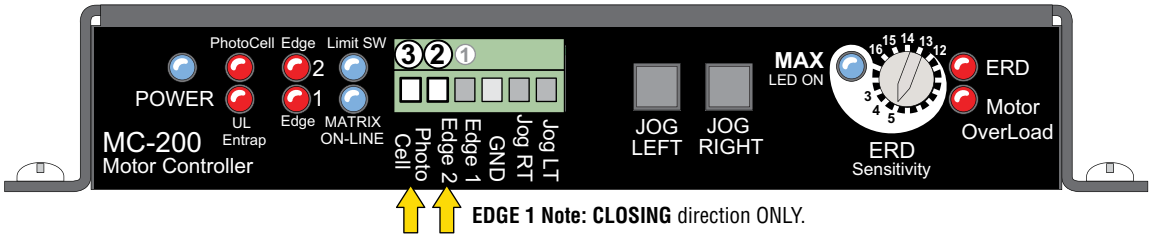
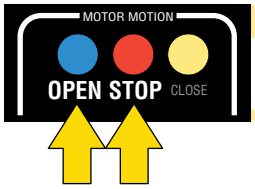


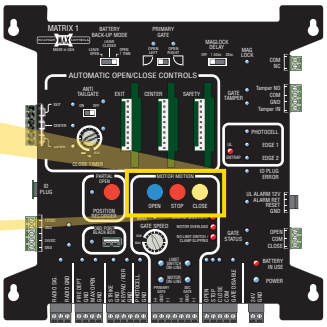
EDGE 1 Note: CLOSING direction ONLY.

Inputs ②&③ MUST be "LEARNED" to MONITOR OPENING/CLOSING direction sensors.

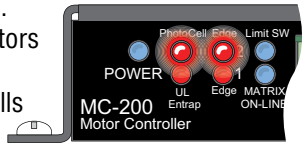
To LEARN inputs ②&③:

1. **MONITORED** Sensors **MUST** be wired to inputs **BEFORE** they can be learned. Any unused inputs **MUST** be jumpered, see previous page.
2. A Sensing Edge or Photo Cell can be wired to either input 2 or 3.
3. Press and **HOLD** the **STOP button & then the OPEN** button together on Matrix 1 until beep is heard, learn mode begins. **NOTE: DO NOT** press the **OPEN** button before the **STOP** button or learn mode will **NOT** function.



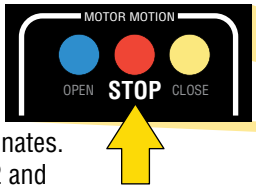


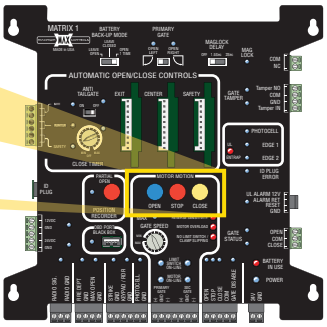
4. LEDs **WILL** be **ON** for each detected sensor on MC-200. LEDs **WILL** be **ON** for **BOTH** MC-200s when dual operators are used. If an LED is not on and it should be, wiring to sensor is bad, photocells are out of alignment, photocells are wired wrong - N.C. or N.O. depending on which photocells are used (see below) or sensor is bad etc. and must be corrected. When all LEDs are **ON** that should be **ON**, proceed to next step.



Example shows that sensors are **DETECTED** on inputs **Edge 2** and **Photo Cell**.

5. Press **STOP** button again within 5 min. to learn sensors and end learn mode, beeping stops.
   Wired Inputs are now **MONITORED**.
   If STOP button is not pressed within 5 min. learn mode terminates. If no sensors are detected then factory default setting (Edge 2 and Photo Cell are NOT Monitored) is restored.





UL 325 2016 Compliant MONITORED Normally Closed Entrapment Protection Devices:

Normally Closed Definition: When Power is off, relay contacts are OPEN. When Power is on, relay contacts are CLOSED.

Photo Cells:

Model RG Miller Edge Reflecti-GUARD Reflective-Beam Type (Normally Closed)
Model PG Miller Edge Prime-GUARD Thru-Beam Type with battery operated transmitter (Normally Closed)
Model EMX-IRB-MON EMX Thru-Beam Type (Normally Closed)
Model EMX-IRB-RET EMX Reflective-Beam Type (**MUST** be wired to **Normally Open**)
Model E3K-R10K4-NR OMRON Photo Electric Sensor Reflective-Beam Type (**MUST** be wired to **Normally Open**) will work with 12V
Model 60-2728-1 Allen Bradley Reflective-Beam Type (**MUST** be wired to **Normally Open**)

Direct-wired 10K Sensing Edge:

Model 10K Sensing Edge with GEM-104 Module Miller Edge (Normally Closed)
MAX 10K Mini Edge Maximum Controls (Normally Closed) Requires a Miller Edge GEM-104 module
MAX 10K Edge 1 Maximum Controls (Normally Closed) Requires a Miller Edge GEM-104 module

Sensing Edge Wireless Transmitter/Receiver:

Model MGL-K20 Miller Edge Monitored Gate Link Transmitter and Receiver