

## ENTRAPMENT DEVICES REQUIRED FOR UL 325

Effective January 12th, 2016 UL325 requires that every entrapment device be monitored for proper operation once every cycle. Vmag has adopted the **Normally Closed** monitoring method which requires that the entrapment devices used must have the output relay energized in the non-detect mode for proper testing. In the event a device is determined to be malfunctioning the operator will shut down and sound an alarm for five minutes. This fault condition can only be cleared by two activations of the **FAULT RESET** push button inside of the controller.

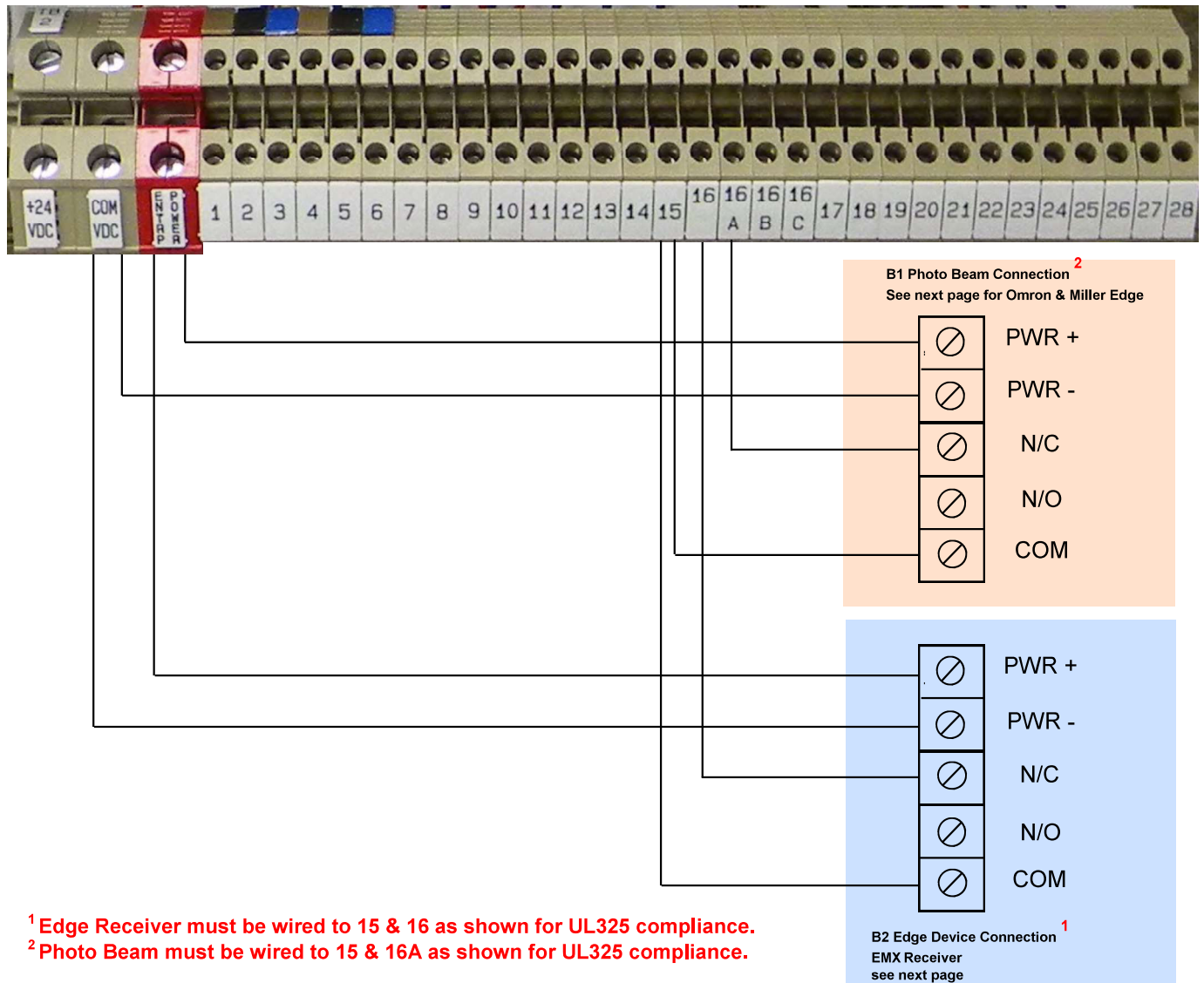
Vmag operators have provisions for one **Type B1** device (photo beam) & one **Type B2** device (edge switch) to comply with UL325.

The following entrapment devices have been tested for use with Vmag gate operators.

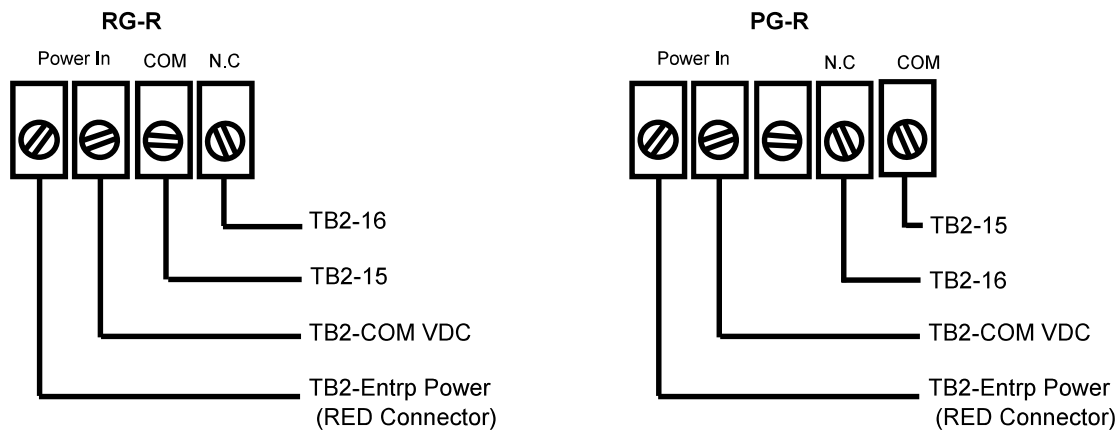
**Gate Edge Devices:** EMX WEL-200 Transmitter & Receiver used with Miller Edge 10 k edge switches

**Photo Beam Devices:** Omron - E3K-R10K4-NR (see next page)  
Miller Edge - PG-K-R50 through beam  
Miller Edge - RG-K-R reflective beam

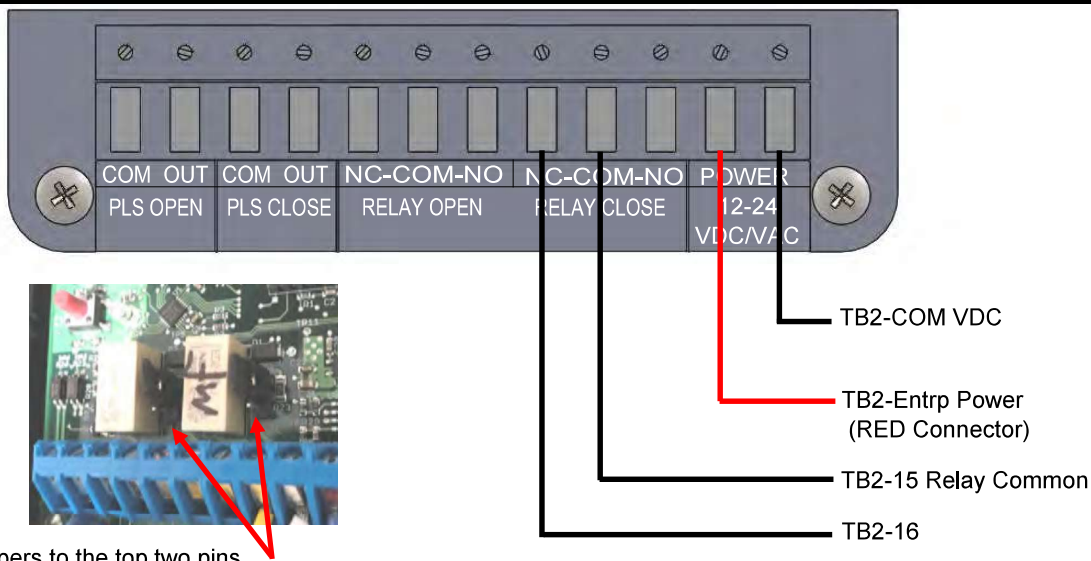
TB2



# Miller Edge ReflectiGuard RG-R and PrimeGuard PG-R



# EMX WEL-200 Wireless Edge Link



# OMRON E3K-R10K4-NR

