

Monitored Safety Device Types

BlueBus (MOFB) Photo-Eyes:

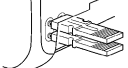
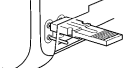
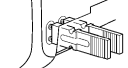
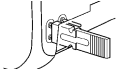
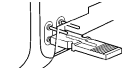
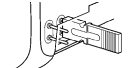
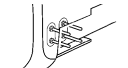
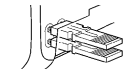
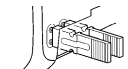
The MOFB photocell is a thru-beam device - consisting of a transmitter (TX) and a receiver (RX) that connects via two (2) wires. Polarity of the wiring is not important. MOFBs may be wired parallel to one another or directly to the board - it is not necessary to make a "home run" to the board with each MOFB. Multiple sets of MOFBs may be used, however each PAIR must be set to an exclusive address by setting the jumpers in the units. What this means, is that each pair of eyes must have their jumpers set to match each other - but every pair must be set differently from the other pairs. The address jumpers also determine the functionality of each set of eyes: Safety, Entrapment, etc. (see Table 1).

1. Mount the transmitter and receiver appropriately to a rigid mounting surface. Eyes should be placed appropriately to protect areas of entrapment according to UL325 guidelines.
2. Set the jumpers in each pair of eyes to match each other. Ensure that each pair of eyes are set differently. Use the table below to find the setting of the jumpers that corresponds to the functionality desired from each pair of eyes.
3. Connect the MOFBs to the Bluebus connector of the circuit board. Polarity of the wiring is not important. Eyes may be connected in parallel to one another - or directly to the board.
4. LEARN the Bluebus port.
On a 1050 board - Press Functions (1. Learn) - Press "OK" (Learn Bluebus) - Press "OK". Allow the board to scan the Bluebus Port. When complete - test the functionality of each set of MOFBs.
5. Fine tune the alignment of each pair of eyes. The more slowly the lights flash on the units - the better they are aligned.

SAFETY A/B: Resets timer to close in open position, reverses gate if closing, no effect if gate is closed or during opening cycling.

SAFETY 2 A/B: Resets timer to close in open position, reverses gate if closing AFTER obstruction is cleared, pauses the gate on opening cycle - opening resumes after obstruction clears.

ENTRAPMENT A/B: Delays gate opening from closed position. Stops and reverses gate back closed on open cycle.

Photocell	Jumpers
SAFETY A / FOTO	
SAFETY B / FOTO II	
SAFETY 2 A / FOTO 1	
SAFETY 2 B / FOTO 1 II	
ENTRAPMENT A FOTO 2	
ENTRAPMENT B FOTO 2 II	
NOT USED	
FREE EXIT A / FA 1*	
FREE EXIT B / FA 2*	

* Cut Jumper A on Both TX and RX.