

Summary	Telco Space Master SM3000 series photo eyes				
Products Affected	All Rytec Doors				
Key Word Tags	Telco, Retro, SM3000				
Tools/Equipment (If Required)					
Parts/Materials (If Required)					
Related Media					
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Rytec Corporation has implemented a design change to all Rytec roll doors. The safety photo eyes have been changed to the Telco Space Master Series SM3000 photo eyes.

Below are pictures of the transmitter and receiver.



Transmitter (Emitter) SMT3000HC



Receiver SMR3215

The transmitter when wired correctly will have a green light visible at the clear end of the photo eye. The receiver will have a yellow light when in alignment with the transmitter, again near the clear plastic end of the receiver. The plastic nuts can be removed and used to mount the photo eyes in the brackets provided with the door.

Electrical connections for the photo eyes can be found on the electrical schematic shipped inside the control panel for the door.

Standard electrical wiring for 2 sets of photo eyes for a System 3 controller:

4 Brown wires to terminal #29 (+24VDC)

4 Blue wires to terminal #30 (-24VDC)

2 Black wires to terminals #8 and #10 NOTE: Only the black wires of the receivers are used. The front receiver black wire would go to terminal #8. The rear receiver black wire would go to terminal #10. The front of the door is the side where the Rytec decal can be found.

Standard electrical wiring for 2 sets of photo eyes for a System 4 controller: (Non-Spiral Door)

Front Eyes:

Brown from Receiver to terminal #220 (+24VDC)

Brown from Emitter to terminal #221 (+24VDC Test Circuit)

Black from Receiver to terminal #222 (Receiver Signal Wire)

2 Blue Wires from Emitter and Receiver to terminal #223(-24VDC)

Rear Eyes:

Brown from Receiver to terminal #230 (+24VDC)

Brown from Emitter to terminal #231 (+24VDC Test Circuit)

Black from Receiver to terminal #232 (Receiver Signal Wire)

2 Blue Wires from Emitter and Receiver to terminal #234(-24VDC)

NOTE: Terminal #233 is an auto close input. If the Receiver signal wire is terminated in terminal #233 you will have a Photo Eye Rr 232 message and a Door Held Open ACL2 233 message.

NOTE: The photo eye cable contains four conductors (Brown, Blue, Black, & White). The transmitter only requires the Brown (+24VDC) & Blue (-24VDC) wires to be used. The Receiver requires the Brown (+24VDC), Blue (-24VDC) and Black (Normally Closed) wires to be used. The whites are not used for either photo eye.

If you have any questions please contact Rytec Customer Support at 1-800-628-1909.