

Series 3 Technician's Installation and Service Training Manual

401002 Photo Cell Wiring Instruction



Warning Electrical Shock Hazard
To prevent serious injury or death always ensure power is disconnected when wiring anything into the ZAP Controller.

Materials Needed
401002 Photo Cell

Tools required
Small technicians slotted screwdriver

Introduce photo cell wiring through provided knock out on bottom of ZAP Controller.

Remove 4 way connector plug from ZAP Controller Safety connection highlighted in red in (Figure A).

Connect wiring together as shown in (Figure B)

Insert safety wires into second terminal from right and secure using small technicians screwdriver. (Figure C)

Insert Common wires wire into right hand terminal and secure using small technicians screwdriver. (Figure D)

Plug 4 way connector back onto the ZAP Control board. (Figure E)

Check for alignment of photo cells.

On the ZAP Control board, the safety light will illuminate if the photo cells are not functioning or are misaligned. (Figure F)

On the photo cells the green light will illuminate if the photo cells are powered. The red light will illuminate if the photo cells are aligned properly. (Figure G)

For momentary contact operation of the operator, ensure DIP switch 1 is in the down position and DIP switch 2 is in the up position. (Figure H)

For Constant Pressure close operation while using 401002 photo cell, ensure both DIP switch 1 and 2 are in the up position. (Figure H)

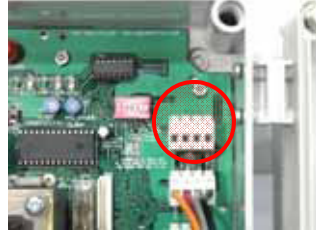


Figure A



Figure B



Figure C



Figure D



Figure E



Figure F

LED Status Description			
Sensor Type	LED Color	Status	Description
Transmitter	Red	On	Sensors are not aligned
		Off	Sensors aligned properly
Receiver	Green	On	Sensors are Powered
		Off	Sensors without Power

Figure G

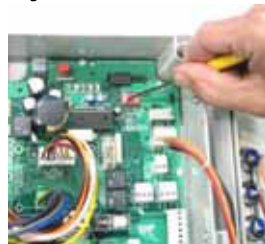


Figure H

ZAP Series 3 Simply Logical

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