

Series 3 Technician's Installation and Service Training Manual

Photo Cell Installation for Constant Pressure Close with Photo Cell to Stop Upon Obstruction



Warning Electrical Shock Hazard

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

Materials Needed

Either the 401000 or 401001 Photo Cell.

Isolate the power supply before wiring any device into a ZAP Controller.

Mount the required photo cells at a position 5-6" above the ground on each side of the opening.

Terminate the power wire of the photo eye to the 24V connector on TB7 of the ZAP Control Board. (Figure A)

Terminate the power Common wire of the photo eye to the 0V connector on TB7 of the ZAP Control Board. (Figure A)

If using the 401000 Retro-reflective photo eye, terminate the N/C safety wire (Black) into the I-Lock terminal on TB4 of the ZAP Control Board. (Figure B)

Terminate the safety common wire (White) into the COM terminal on TB4 of the ZAP Control Board. (Figure B)

If using the 401001 through beam photo eye, terminate both N/C safety wires (Black) into the I-Lock terminal on TB4 of the ZAP Control Board. (Figure B)

Terminate both safety common wires (White) into the COM terminal on TB4 of the ZAP Control Board. (Figure B)

Set DIP Switch three to the OFF position.

Restore the power supply.

Inspect the photo eyes to ensure alignment.

Test the devices by cycling the door and interrupting the photo cell during the close cycle.



Figure A



Figure B

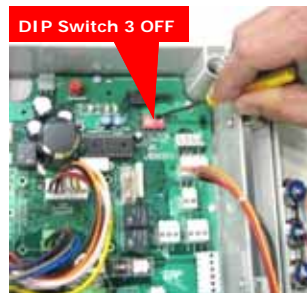


Figure C

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ZAP Series 3 Simply Logical

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