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

Materials Needed
16-20 awg 2 conductor cable, Single contact device such as a microwave sensor, loop detector, treadle, etc.

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

The 871 Interface expansion module is used to facilitate the need for additional wiring space for multiple control wiring functions.

If an extra Cyclic operation input is required, wire your contact device relay to the cycle and common terminal of the 871 Expansion Module (Figure B)

If an extra Open input is required, wire your contact device relay to the open and common terminal of the 871 Expansion Module (Figure B)

If an extra Close input is required, wire your contact device relay to the close and common terminal of the 871 Expansion Module (Figure C)

A 24V power supply is available on the 871 Module. Wire any extra device capable of running on a strict 24V supply to the 24V and common terminals on the 871 Expansion Module (Figure D)

Before plugging the 871 Module onto the control board, ensure the power supply is isolated.

Align the 871 Module with all 10 pins of the 10 pin socket header. (Figure E)

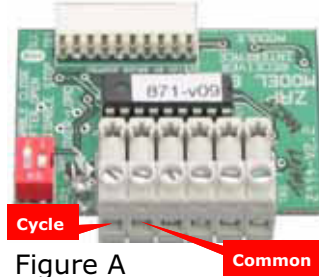Ensure the 871 is seated completely onto the socket header. (Figure F)
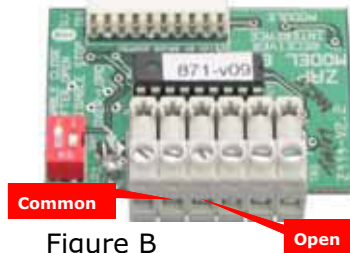

Figure A

Figure B

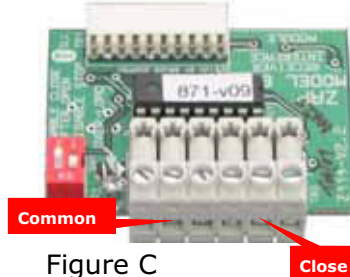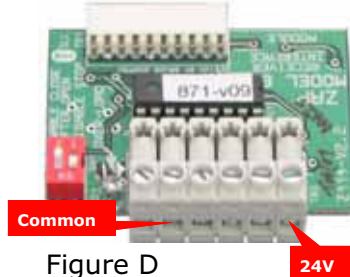
Figure C

Figure D

Figure F

Figure E

ZAP Series 3
Simply Logical