

Typical Wiring EZPM to SSR to Heaters

Assume EZPM, SSR and Heaters all are 120 vac main power

Power Cord Input L1 (Black) is hot, L2 (White) is neutral 110vac Green is Ground, not required.

Connect L1 to EZPM Terminal 98 and SSR High Power Contact Terminal 1. Connect SSR Terminal #2 to one of the two lead wires of the heater. Connect L2 (Neutral) to EZPM Terminal 99 and directly to the second lead to the heater.







To operate the SSR by the EZPM, Connect the Switched DC (+) terminal Y1 to the SSR Terminal 3, and the Switched DC (–) terminal W1 to the SSR Terminal 4, which will energize the coil and make the heater circuit when the EZPM calls for heat. The EZP Terminal X1 is NOT connected in this wiring configuration.



EZPM Output 2 is a type A (Normally Open) Mechanical relay, dry contact set. The contacts close when power is applied to the EZPM. This can be used as an alarm, or to power a status light to show the heaters cycling when in operation, or simply as an additional power "ON" indicator, if power is supplied to one side of the contact set, as this is not self-powered.





Communication Option

EZP Controllers have Standard Bus Communications installed universally, and can be optioned for ModBus and other communication protocols. Terminals CA, CE, and CF apply.

Standard Bus EIA-485 Communications



- Wire T/R- to the A terminal of the EIA-485 port.
- Wire T+/R+ to the B terminal of the EIA-485 port.
- Wire common to the common terminal of the EIA-485 port.
- Do not route network wires with power wires. Connect network wires in daisy-chain fashion when connecting multiple devices in a network.
- Do not connect more than 16 EZ-ZONE PM controllers on a network.
- maximum network length: 1,200 meters (4,000 feet)
- 1/8th unit load on EIA-485 bus
- PM ____-[A] AAAA ___

Thermocouple Connection

EZPM has multiple options for Thermocouple, RTD, etc. Most common is TC at input #1

Input 1 Thermocouple

