

One Loop Digital Controller

General Description

The One Loop Digital Controller is an economical sub-panel mount temperature control with integral setpoint adjustment. It features field- or factory- selectable (120/240 VAC) input power and the choice of PRTD, PTC, or NTC thermistor sensor inputs. The Controller has been specifically designed as an accurate electronic alternative and/or replacement for pneumatic-type thermostats (bulb and capillary). It also contains many other options coupled with a microprocessor which makes it a flexible platform for a variety of applications. It has flexible input and outputs that can be combined with processor functions such as timers, A2D's, switch inputs, open collector outputs, etc.

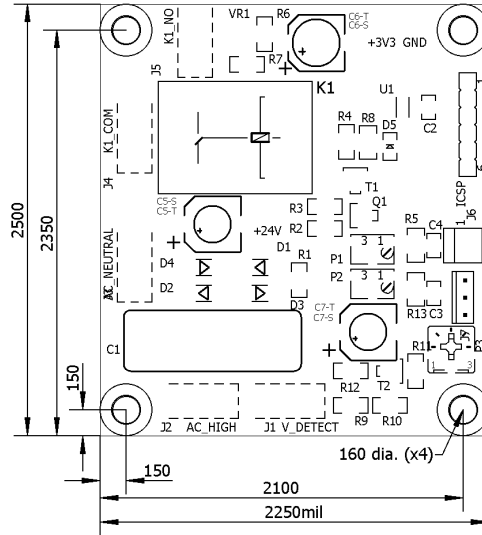
Specifications

Line Voltage 120 or 240 VAC +10%, -15% 50/60 Hz
 Operating Ambient 0° to 85°C (32°F to 185°F) standard.
 Weight: 0.5lb (2.5kg)
 Terminals: .25" quick connects.
 Agency Approval: None

Wiring

IO#	Option
J1	AC Voltage Detection Input (1/4"QC)
J2	AC High Input (1/4"QC)
J3	AC Neutral Input (1/4"QC)
J4	Relay Common (1/4"QC)
J5	Relay Normally Open (1/4"QC)
J6	Digital / Analog Input 2 position .1 CTR
J7	Digital / Analog / Potentiometer Input 3 position .1 CTR
P1	Analog Trimmer Potentiometer For J6
P2	Analog Trimmer Potentiometer For J7
P3	Single Turn Set Pot On Board For Set Temperature (or other feature)
ICSP	Programming Port

Mechanical Footprint



How to Order

P/N	Voltage	Feature
232-00147-01	120VAC	One Loop Controller
232-00147-02	240VAC	One Loop Controller
232-00147-03	120VAC	Convection Oven Fan Timer Delay Controller
232-00147-04	120VAC	Single Set Point Warming Cabinet
232-00147-05	120VAC	One Loop Control Remote Set Potentiometer
232-00147-06	120VAC	One Loop Control On Board Set Potentiometer

Notes

For detailed configuration and application assistance, please call us. We will be happy to discuss your application and assist in the configuration of the device. It is difficult to define all the options and configurations, so please call with any questions. We have many different control platforms to choose.