HL101 DIGITAL TEMPERATURE LIMIT CONTROLLER

Provides current cutoff to separate temperature controllers or devices with built-in temperature control based on reaching or exceeding a programed high limit setpoint temperature.

NEW!

Features & Benefits

► Includes receptacle to connect HL101 to existing temperature controller or controlled device*

► 4-key touch pad interface with manual reset

► 5 ft (1.5 m) power cord and 10 ft (3 m) temperature sensor included

► Adds high-limit safety cutoff for a wide range of indoor, dry environment applications

► Displays high limit or current temperature

Specifications

Plug & Play

Voltage: 120 or 240 VAC (as ordered)

Maximum Amp Load: 15 amps

Temperature Control Range: 0°F to 999°F (0°C to 999°C)

Temperature Display Units: °F and °C (as ordered)

Sensor Input: Mini-connector, 10 ft (3 m) long, Type-J or Type-K Thermocouple (included)

Control Module: FM-approved with mechanical relay

Accuracy: ± 1% full scale

Alarms: Audible

Input Power Cord/Connections: 5 ft (1.5 m) long with input power plug based on model

Output Connection: Receptacle to match input cord

Environmental Exposures:
– Operating range: 32°F to 150°F (0°C to 66°C)
– Storage range: -4°F to 176°F (-20°C to 80°C)
– Relative humidity: < 95% non-condensing temperatures

Enclosure Dimensions: 5.25 in x 2.25 in x 5 in (133 mm x 57 mm x 127 mm)

* HL101 requires a temperature controller (sold separately) except where included on heater.

120 VAC　　**240 VAC**

Ordering Information

Part No.	Voltage	Sensor Type	Temperature Display	Input Plug/ Output Receptacle
HL120JA-F		Type-J T/C	°F	
HL120KA-F	120 VAC	Type-K T/C	°F	
HL120JA-C		Type-J T/C	°C	
HL120KA-C		Type-K T/C	°C	NEMA 5-15
HL240JC-F		Type-J T/C	°F	
HL240KC-F	240 VAC	Type-K T/C	°F	
HL240JC-C		Type-J T/C	°C	
HL240KC-C		Type-K T/C	°C	NEMA 6-15

All safety-critical components, enclosures and materials used in the manufacture of this product are UL Listed/Recognized and suitably rated for the intended application.

Additional Temperature Sensors
HL101 includes 10 ft (3 m) long sensor

Part No. Type-J Sensor	Part No. Type-K Sensor	Length ft (m)	Connector Type
TAJN05-AA	TAKN05-DA	5 (1.5)	Mini
TAJN10-AA	TAKN10-DA	10 (3.0)	Mini
TAJN25-AA	TAKN25-DA	25 (7.6)	Mini