

HL101 DIGITAL BENCHTOP TEMPERATURE LIMIT CONTROLLER

- ▶ Adds high-limit cutoff safety to a wide range of applications
- ▶ Benchtop plug-and-play design for indoor use
- ▶ 5 ft power cord and 10 ft temperature sensor included
- ▶ Includes receptacle for controller or controlled device
- ▶ 4-key touch pad interface with manual reset
- ▶ Displays high limit or current temperature



Specifications:

- **Voltage:** 120 or 240 VAC (as ordered)
- **Max. Amp Load:** 15 Amp
- **Temperature Control Range:** 0°F to 999°F and 0°C to 999°C
- **Temperature Display Units:** °F and °C (as ordered)
- **Sensor Input:** Mini-connector; 10 ft long Type-J or Type-K Thermocouple (included)
- **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 65°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)
- **Control Module:** FM-approved with mechanical relay

REQUIRES Temperature Controller, sold separately

Ordering Information:

Part No.	Voltage	Sensor Type	Temperature Display	Input Plug/ Output Receptacle
HL120JA-F	115 VAC	Type-JT/C	°F	NEMA 5-15
HL120KA-F	115 VAC	Type-KT/C	°F	
HL120JA-C	115 VAC	Type-JT/C	°C	
HL120KA-C	115 VAC	Type-KT/C	°C	
HL240JC-F	240 VAC	Type-JT/C	°F	NEMA 6-15
HL240KC-F	240 VAC	Type-KT/C	°F	
HL240JC-C	240 VAC	Type-JT/C	°C	
HL240KC-C	240 VAC	Type-KT/C	°C	

Additional Temperature Sensors*:

Part No.	Description
TAJN05-AA	5' Type-J T/C, mini
TAJN10-AA	10' Type-J T/C, mini
TAJN25-AA	25' Type-J T/C, mini
TAKN05-DA	5' Type-K T/C, mini
TAKN10-DA	10' Type-K T/C, mini
TAKN25-DA	25' Type-K T/C, mini

*Each HL101 Series Temperature Limit Control includes a 10 ft sensor

Applications:

Adds current cutoff to existing temperature controllers or devices with built-in temperature control based on reaching or exceeding a programmed high-limit setpoint temperature.

Applications include:

- Research and development laboratory testing
- Temperature critical processes
- Equipment over heat protection
- Adhesive curing
- Where alarm latching is required

Industries:

- Laboratory
- Petrochemical
- General Manufacturing
- Agriculture
- Chemical
- Food and Beverage
- Plastics