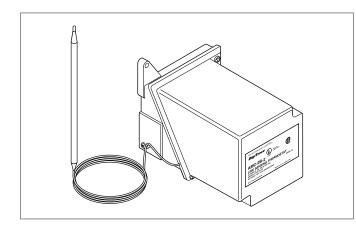
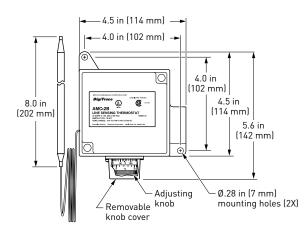


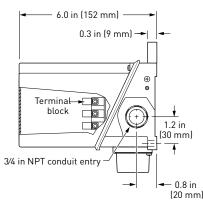
DigiTrace AMC-2B-2

DOUBLE POLE LINE-SENSING THERMOSTAT FOR NONHAZARDOUS LOCATIONS

INSTALLATION INSTRUCTIONS







DESCRIPTION

The DigiTrace AMC-2B-2 thermostat is designed for controlling heat-tracing systems in nonhazardous locations. The thermostat functions as a DPST switch.

The DPST switch will enable and disable current flow in both buses of the heat-tracing cable.

The AMC-2B-2 can be used to control heat-tracing circuits in a pipe-sensing mode directly (see Figure 1 on back).

Note: Do not use this thermostat to control two separate heat-tracing circuits.

ADDITIONAL MATERIAL REQUIRED

• AT-180 aluminum tape

APPROVALS



SPECIFICATIONS

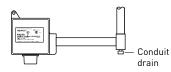
NEMA 4X, polyurethane-coated cast- aluminum housing, stainless-steel hardware
One 3/4 in. NPT conduit hub
25°F to 325°F (-4°C to 163°C)
-40°F to 420°F (-40°C to 215°C)
-40°F to 160°F (-40°C to 71°C)
DPST
22 A at 208/240 Vac
208–240 Vac, 4 VA
±6°F (±3.3°C)
2°F to 12°F (1.1°C to 6.7°C) above actuation temperature
±3°F (±1.7°C)
Fluid-filled (silicone) bulb and 9 ft (2.7 m) capillary
300 series stainless steel
Screw terminals, 10–14 AWG (2–5 mm²)

🕂 WARNING:

This component is an electrical device. It must be installed correctly to ensure proper operation and to prevent shock or fire. Read these important warnings and carefully follow all the installation instructions. Component approvals and performance are based on the use of specified parts only. Do not use substitute parts or vinyl electrical tape to make connections.

INSTALLING THE THERMOSTAT

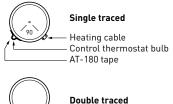
- Verify that the thermostat is suitable for the area where it is to be installed.
- 2. Check the line voltage and the heat-tracing load to ensure that the thermostat ratings are not exceeded.



3. Mount the unit using unistrut or the universal mounting bracket (UMB-263757) in a position that prevents condensation from draining into the enclosure from the connecting conduit (see diagram above).

POSITIONING THE SENSOR BULB

4. Position the bulb in the lower quadrant of the pipe as shown in the diagram to the left. Place the bulb at least three feet from pipe supports, valves, or other heat sinks; protect the capillary from kinks or bends less than 1/2 inch in radius.



Heating cable
Control thermostat bulb
AT-180 tape

WIRING

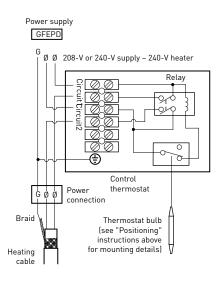


Figure 1. Heat-tracing control



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5. Tape the bulb firmly to the pipe with AT-180 aluminum tape,

6. For metal-tank-wall sensing, use the BCK-35 bulb clamp

(purchased separately from Pentair Thermal Management)

For installation on plastic tanks, contact Pentair Thermal

7. Set the thermostat dial to the desired temperature, then finish

8. Complete insulating. Do not turn the system on until the bulb is

9. Fill the piping or tank. Once the thermostat has begun to cycle,

(best for plastic systems) or an accurate temperature indicator.

check the fluid temperature with an immersed thermostat

and install the clamp per the instructions provided. Make sure there is no air space between the tank wall and the bulb.

of AT-180 tape.

wiring.

Management at (800) 545-6258.

covered with thermal insulation.

Adjust the dial setting, if necessary.

SETTING THE THERMOSTAT

making sure there is no air space between the bulb and pipe.

Do not overlap the bulb and heating cable with the same piece

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LATIN AMERICA

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