

A19ANC-1C

Line Sensing Thermostat



DESCRIPTION

Delta-Therm's A19ANC-1C control serves as either a line or ambient sensing thermostat designed for areas where rainproof enclosures are required. The gasketed, rainproof enclosure has a gray UL Listed outdoor finish.

This unit includes a liquid-filled element which is not affected by barometric pressure. The A19ANC-1C has dependable, field-proven, snap-action contacts with a heavy duty rating for inductive or resistance loads. The thermostat enclosure includes three cushioned rubber feet for strain-free mounting. The thermostat features a high-limit dial stop (see back page for specifications). A copper bulb well is optional.

APPLICATIONS

Pipe Tracing Systems

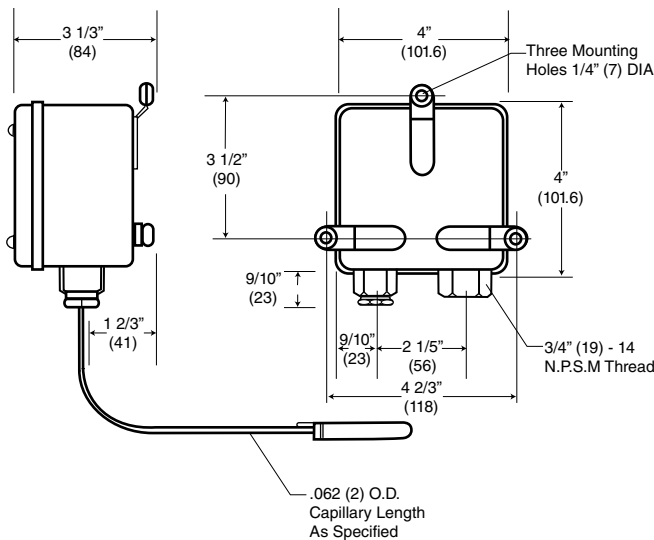
APPROVALS

UL Listed
CSA Certified

A19ANC-1C SPECIFICATIONS

Enclosure:	NEMA 3R, rainproof, with a baked-on gray enamel.
Connection:	Screw terminals on terminal strip through 3/4" (64cm) npt conduit connection.
Switch:	Single pole, double throw, snap action switching element.
Range:	0°F to 150°F (5°F Differential) 17°C to 65°C (-15°C Differential)
Allowable Temperature:	190°F (88°C)
Rating:	22 Amps 120/277 VAC, Resistive.
Sensor:	10' (3m) copper capillary .290" x 3" (.74 x 6cm) bulb.



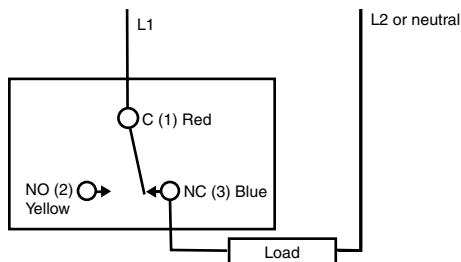


Detail 1 A19ANC-1C enclosure dimensions shown in inches (mm)

INSTALLING THE CONTROLS


Ensure that wiring conforms to local codes and to the National Electrical Code. Wiring terminals are accessible by removing the thermostat cover.

For heating loads connect to terminals 1 and 3. Refer to Detail 2.



Detail 2 A19AN-1C Wiring Diagram for heating mode (opens or rise). Wire Common (1) to NC (3)

Indoors, mount the thermostat in any position using the three mounting feet (rubber bushed). When placing the thermostat outdoors, directly exposed to the weather, position the electrical connection and capillary on the lower horizontal surface as illustrated.



Warning: Do not dent or deform the sensitive bulb of this control. A dent or deformation will change the calibration and cause the control to cycle at a temperature lower than the dial setting.

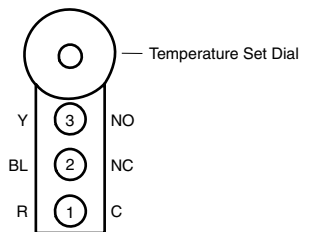
Warning

Where the capillary is exposed and subject to possible mechanical damage, provide some means of protection. The capillary outlet is designed to run through 1/2" (1cm) thin wall conduit or metal hose such as 3/8" (.95cm) "Sealtite" or equivalent. Remove the capillary outlet seal nut. Then push the bulb and capillary through a conduit coupling or suitable hose fitting and on through the conduit or hose. Tighten the coupling to the 1/2" (1cm) female capillary outlet fitting to ensure a tight seal and rigid connection with the enclosure.

To prevent cutting or wear from any sharp edges and to relieve strain on the capillary, tape the capillary to the pipe, and clamp and bush the far end of the conduit or hose

ADJUSTING THE CONTROLS

The setting may be changed to meet installation requirements. Refer to detail 3.



Detail 3. A19ANC-1 Interior Diagram

Allowable High-Limit Settings: The A19ANC-1 has a range of 0°F (18°C) to 150°F (66°C), the high-limit stop can be set between 55°F (13°C) and 150°F (66°C).

Changing the High-Limit Stop: To change the stop setting, loosen the two screws in the dial plate using the wrench provided with the control. Turn the dial so that the pointer indicates the stop setting. Move the stop (located behind the dial plate) to the stop bracket. Tighten the screws to lock the stop in position. Before leaving the installation, observe a complete operating cycle to see that all components function properly.

EVALUATING THE CONTROLS

Before leaving the installation, observe a complete operating cycle to see that all components function properly.