

A19 Series

Thermostat for Hazardous Locations

Description

This thermostat provides remote bulb or coiled bulb sensing for hazardous environments.

Features

- precision enclosed switch and a liquid-filled sensing element provides repeat accuracy that is unaffected by barometric pressure and cross-ambient temperature fluctuations
- SPDT switch provides open high or close high action for heating or cooling
- electrical rating permits direct control of most equipment

Applications

These thermostats are designed for use in grain elevators, chemical and powder plants, mines, oil refineries, and similar sites. For use in Class I, Group D and Class II, Groups E, F, and G hazardous locations.

Technical Specifications

Electrical Ratings

| Motor Ratings VAC | 120 | 208 | 240 | 277 |
|----------------------------------|------|------|------|------|
| Full Load Amp | 16.0 | 9.2 | 8.0 | — |
| Locked Rotor Amp | 96.0 | 55.2 | 48.0 | — |
| Non-Inductive Amp | 22.0 | 22.0 | 22.0 | 22.0 |
| Pilot Duty—125 VA, 24 to 600 VAC | | | | |



A19AUC

A19BUC

Selection Chart

| Code Number | Switch Action | Range °F (°C) | Diff °F (°C) | Bulb and Capillary | Bulb Well (If Required) | Range Adjuster | Maximum Bulb Temp. °F (°C) |
|-------------|---------------|------------------------|--------------|-----------------------------------|-------------------------|----------------|----------------------------|
| A19AUC-1C | SPDT | -30 to 50 (-34 to 10) | 5 (2.8) | 3/8 in. x 4-1/16 in., 6 ft. Cap. | WEL14A-602R | Knob | 140 (60) |
| A19AUC-2C | | 20 to 80 (-7 to 27) | 3-1/2 (1.9) | 3/8 in. x 4-31/32 in., 6 ft. Cap. | WEL14A-603R | | 140 (60) |
| A19AUC-3C | | 0 to 150 (-18 to 66) | 6 (3) | .290 x 2-1/2 in., 10 ft. Cap. | WEL16A-600R | | 190 (88) |
| A19AUC-4C | | 100 to 250 (38 to 121) | 6 (3) | .290 x 2-3/8 in., 10 ft. Cap. | WEL16A-600R | | 290 (143) |
| A19BUC-2C | | 20 to 80 (-7 to 27) | 3-1/2 (1.9) | Coiled | — | | 140 (60) |