



A19 Series Thermostat for Hazardous Locations

Description

The A19 Series Thermostat provides remote bulb or coiled bulb sensing for hazardous environments.

Refer to the *Types A19AUC, A19BUC Fixed Differential Thermostat For Hazardous Location Product Bulletin (LIT-121035)* for important product application information.

Features

- precision enclosed switch and a liquid-filled sensing element provides repeat accuracy that is unaffected by barometric pressure and cross-ambient temperature fluctuations
- single-pole, double-throw (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.

Repair Information

If the A19 Series Thermostat for Hazardous Locations fails to operate within its specifications, replace the unit. For a replacement thermostat, contact the nearest Johnson Controls® representative.

Technical Specifications

Electrical Ratings

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



A19AUC
Thermostat

A19BUC
Thermostat

Selection Chart

Product Code Number	Switch Action	Range °F (°C)	Differential 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. capillary	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. capillary	WEL14A-603R		140 (60)
A19AUC-3C		0 to 150 (-18 to 66)	6 (3)	3/10 x 2-1/2 in., 10 ft. capillary	WEL16A-600R		190 (88)
A19AUC-4C		100 to 250 (38 to 121)	6 (3)	3/10 x 2-3/8 in., 10 ft. capillary	WEL16A-600R		290 (143)
A19BUC-2C		20 to 80 (-7 to 27)	3-1/2 (1.9)	Coiled	–		140 (60)

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products. © 2015 Johnson Controls, Inc.