

## 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
- 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**

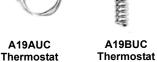
If the A19 Series Thermostat for Hazardous Locations fails to operate within its specifications, replace the unit. For a replacement thermostat, contact the nearest Johnson Controls® representative.

# **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				





# electrical rating permits direct control of

#### **Selection Chart**

Product Code Number	Switch Action	. 5	Differential F° (C°)	Bulb and Capillary		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)