



A19 Series Thermostat for Crop Drying

Description

The A19 Series are single-stage temperature controls that incorporate liquid-filled sensing elements.

Refer to the *A19 Series Utility Thermostats for Farm, Industrial, and Commercial Use Product Bulletin (LIT-125030)* for important product application information.

Technical Specifications

The maximum bulb temperature for the A19AAE-3 is 200°F (93°C) and for the A19ABB-2 is 240°F (116°C).

Electrical Rating 120 VAC

Motor Ratings VAC	120	208	240
A19AAE-3			
AC Full Load A	6.0	3.4	3.0
AC Locked Rotor A	36.0	20.4	18.0
Non-Inductive or Resistance Load A (Not Lamp Loads)	10 A 120 to 277 VAC		
Pilot Duty	125 VA, 24 to 277 VAC		
A19ABB-2			
AC Full Load A	10.0	–	6.0
AC Locked Rotor A	60.0	–	36.0
Pilot Duty	125 VA, 24 to 600 VAC		

Features

- designed for high temperature applications
- narrow (2F° fixed) or wide adjustable differentials

Applications

Crop drying thermostat energizes gas valve to maintain temperature.

Repair Information

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



A19AAE-3 Thermostat

Selection Chart

Product Code Number	Switch Action	Range °F (°C)	Differential F°(C°)	Bulb and Capillary	Range Adjuster	Max. Bulb Temperature °F (°C)
A19AAE-3C	Single-Pole, Single-Throw (SPST) open high	80 to 180 (27 to 82)	2 (1.1) fixed	1/8 in. x 1-1/4 in. copper-coiled 10 ft capillary	Knob Ext. scale	200 (93)
A19ABB-2C	SPST open high	50 to 200 (10 to 93)	6 to 24 (3 to 13) adjustable	0.290 in. x 2-1/2 in. 10 ft. capillary	Knob Ext. Scale	240 (116)