



## A19 Series Thermostat for Crop Drying Catalog Page

### 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 (2°F 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)