

A19 Series High Range Temperature Control Catalog Page

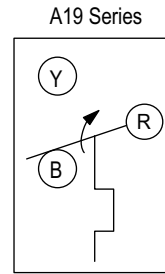
Description

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

Refer to the *A19 Series Hot Water Heating Controls Well Immersion Product Bulletin (LIT-125025)* for important product application information.

Features

- wide temperature ranges available
- constant differential throughout the entire range
- single-pole, single-throw (SPST) or single-pole, double-throw (SPDT) snap-acting switches
- fixed or adjustable differential available
- unaffected by barometric pressure changes
- unaffected by cross-ambient conditions
- compact enclosure
- variety of sensing element styles



A19 Series
Action on Increase
of Temperature

at 9 steps



A19AAB Temperature
Control

A19 Series
Terminal Arrangement for SPDT

Applications

The A19s are suitable for temperature control in HVAC/R applications.

Selection Charts

A19 Series High Range Temperature Control

Product Code Number ¹	Switch Action	Range °F (°C)	Diff F° (C°) (Factory Set)	Bulb and Capillary	Bulb Well No. (Order Separately)	Range Adjuster	Max Bulb Temp °F (°C)
A19AAB-4C	SPST, open high Remote Bulb Thermostat	30 to 110 (-1 to 43)	3-1/2 (1.9)	3/8 in. x 5 in. copper 6 ft. capillary ²	WEL14A-602R	Screwdriver slot Visible scale	140 (60)
A19AAB-7C	SPST, open high Oven Thermostat	100 to 300 (38 to 149)	7 (3.9)	3/16 in. x 9-1/2 in. copper 6 ft. capillary	—	Knob Visible scale	350 (177)
A19AAB-10C	SPST, open high Oven Thermostat	200 to 550 (93 to 288)	10 (5.6)	3/16 in. x 6 in. copper 8 ft. capillary	—	Convertible	620 (327)
A19AAC-9C	SPDT	100 to 240 (38 to 116)	6 (3.3)	3/8 in. x 3-1/2 in. copper 6 ft. capillary ²	WEL14A-602R	Screwdriver slot Visible Scale	290 (143)
A19ABB-2C	SPST, open high Remote Bulb Thermostat	50 to 200 (10 to 93)	Adjustable 6 to 24 (3 to 13)	0.290 in. x 2-1/2 in. copper 10 ft. capillary	—	Knob Visible Scale	240 (116)
A19ABB-7C		50 to 201 (10 to 94)		7 x 64 mm copper 3m capillary			240 (116)

1. Specify code number, and closed tank fitting (Code Number **FTG13A-600R**), or bulb well, if required.
2. With 3-inch bulb support

Replacement Parts

Product Code Number	Description
CVR28A-617R	Concealed adjustment cover
CVR28A-618R	Visible scale cover
KNB20A-602R	Replacement knob kit

Technical Specifications

Electrical Ratings

Motor Ratings VAC	120	208	240
AC Full Load A	16.0	9.2	8.0
AC Locked Rotor A	96.0	55.2	48.0
Non-inductive A ¹	22 A, 120 to 277 VAC		
Pilot Duty	125 VA, 24 to 600 VAC		

1. SPST and N.O. contact of SPDT control
SPDT N.C. contact - 16 A, 120 to 277 VAC