

A19 Series High Range Temperature Control

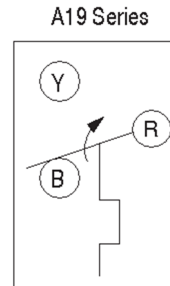
Description

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



Action on Increase
of Temperature

A19 Series
Terminal Arrangement for SPDT

a19 aps



A19AAB Temperature
Control

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	WEL 14A-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	WEL 14A-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