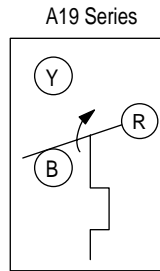


A19 Series

High Range Temperature Control



A19AAB-10C



Action on Increase of Temperature

Terminal Arrangement for SPDT

Description

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

Features

- wide temperature ranges available
- constant differential throughout the entire range
- SPST or 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

Applications

The A19s are suitable for temperature control in heating, ventilating, and refrigeration applications.

To Order

Specify code number, and closed tank fitting (Code Number **FTG13A-600R**), or bulb well, if required. See the selection chart below.

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 ^(a)	22 A - 120 to 277 VAC		
Pilot Duty – 125 VA, 24 to 600 VAC			

(a) SPST and N.O. contact of SPDT control
SPDT N.C. contact - 16 amps, 120 to 277 VAC

Replacement Parts

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

Selection Chart

Code Number	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. Cap. ^(a)	WEL14A-602R	Screwdriver slot Visible scale	140 (60)
A19AAB-7C ^(b)	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. Cap.	–	Knob Visible scale	350 (177)
▲A19AAB-10C ^(b)	SPST, Open High Oven Thermostat	200 to 550 (93 to 288)	10 (5.6)	3/16 in. x 6 in. copper 8 ft. Cap.	–	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. Cap. ^(a)	WEL14A-602R	Screwdriver slot Visible Scale	290 (143)
A19ABB-2C	SPST, Open High Remote Bulb Thermostat	50 to 200 (10 to 93)	Adj. 6 to 24 (3 to 13)	0.290 in. x 2-1/2 in. copper 10 ft. Cap.	–	Knob Visible Scale	240 (116)
A19ABB-7C ^(c)		50 to 201 (10 to 94)		7.4 x 64 mm copper 3m Cap.			240 (116)

(a) With 3 inch bulb support

(b) Bulb and capillary with black oxide finish

(c) Model with Celsius scale

▲ **Universal Replacement (R) For Refrigerants Not Listed, Contact Application Engineering**

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products.

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