

A19B Series Coiled Bulb Space Temperature Control Catalog Page

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Description

Figure 1: A19BAC Temperature Control



The A19B Series control is a wide range temperature control with an air coil sensing element.

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

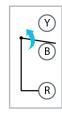
Features

- Wide temperature range
- Type 1 enclosure

Applications

Use the temperature control to sense return air or space temperature.

Figure 2: A19 Series switch action for SPDT



(1) **Note:** On single-pole, double-throw (SPDT) models, on a temperature increase above the set point, the circuit from red to blue (RB) opens, and simultaneously red to yellow (RY) closes.



Selection chart

Table 1: A19 Series Coiled Bulb Space Temperature Control

Proc	duct code number	Switch action	Range °F (°C)	Differential °F (°C)	Bulb and capillary	Range adjuster	Maximum bulb temperature °F (°C)
Ven	tilating, heating		'	'			•
A19I	BAB-3C	Single-pole, single-throw (SPST), open high	35 to 95 (1.6 to 35)	3 (1.7) fixed	1 3/8 in. x 2 1/4 in. coiled	Knob	140 (60)
A19I	BAC-1C	SPDT	30 to 110 (-1 to 43)	3 1/2 (1.9) fixed	1 3/8 in. x 2 1/4 in. coiled	Convertible	
A19I	BAF-1C	SPDT	30 to 110 (-1 to 43)	1 1/2 (0.9) fixed	1 3/8 in. x 2 1/4 in. coiled	Knob	
Coo	ling						
(1)	BBC-2C Note: Replaces White-Rodgers ® 201-16, -8, 2A37-1; Ranco® 010-1418, -1802, 016-594, C30-C1101; Honeywell® T631A, T696A, T6054 A1005.	SPDT	-30 to 100 (-34 to 38)	3 to 12 (1.7 to 7)	1 3/8 in. x 2 1/4 in. coiled	Convertible	140 (60)

Table 2: Replacement parts

Product code number	Description
CVR28A-617R	Concealed adjustment cover
CVR28A-618R	Visible scale cover
KNB20A-602R	Knob kit



Electrical ratings

Table 3: A19BAC and A19BBC cULus electrical ratings

VAC 60 Hz	120	208	240	277
Full load amperes	16.0	9.2	12.0	_
Locked rotor amperes	96.0	55.2	72.0	_
Resistive amperes, SPST (SPDT)	22.0 (16.0)			
Pilot duty	125 VA, at 24 VAC to 600 VAC			

Table 4: A19BAB cULus electrical ratings

VAC 60 Hz	120	208	240	277
Full load amperes	16.0	9.2	12.0	_
Locked rotor amperes	96.0	55.2	72.0	_
Resistive amperes, SPST	22.0			
Pilot duty	125 VA, at 24 VAC to 600 VAC			

Table 5: A19BAF cULus electrical ratings

VAC 60 Hz	120	208	240	277
Full load amperes	6.0	3.4	3.0	_
Locked rotor amperes	36.0	20.4	18.0	_
Resistive amperes, SPST or SPDT	15.0			
Pilot duty	125 VA, at 24 VAC to 277 VAC			

Conformity declaration information

Table 6: Conformity information

Information	Description		
Purpose of the control	Temperature control		
Method of mounting the control	Surface-mounted. Attached through holes in the back of the case.		
Method of grounding the control	Wiring binding screw terminal		
Type 1 or Type 2 action	Standard models: Type 1.B micro-disconnection 600 V rating models: Type 1.C micro-interruption		
External pollution situation	Pollution degree 3		
Rated impulse voltage	6,000 VAC		
Compliance	UL Guide No. XAPX, File E6688 cUL Guide XAPX7, File E6688		

(i) Note: The 600 VAC rating is for pilot duty only.

Product warranty

This product is covered by a limited warranty, details of which can be found at www.johnsoncontrols.com/buildingswarranty.



Single point of contact

APAC	EU	UK	NA/SA
JOHNSON CONTROLS	JOHNSON	JOHNSON	JOHNSON
C/O CONTROLS	CONTROLS	CONTROLS	CONTROLS
PRODUCT MANAGEMENT	VOLTAWEG 20	TYCO PARK	5757 N GREEN BAY
NO. 32 CHANGJIANG RD	6101 XK ECHT	GRIMSHAW LANE	AVE.
NEW DISTRICT	THE NETHERLANDS	MANCHESTER	GLENDALE, WI
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Contact information

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