

## A19CAC Type Automatic Changeover Control

### Application

This convector or fan coil changeover control is designed for automatically selecting either the heating or cooling function of the SPDT heating and cooling thermostat -- wall type or return air.

The A19CAC automatic changeover control eliminates manual selector switches at thermostat, prevents occupant from attempting to obtain individual room cooling when hot water is being circulated, and vice-versa. This control automatically switches to the cooling position when water temperature drops to a preselected setting and switches to the heating position when water temperature rises above the preselected setting.

**All Series A19 controls are designed for use *only* as operating controls. Where an operating control failure would result in personal injury and/or loss of property,**

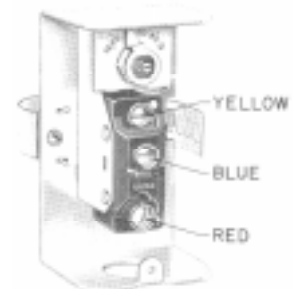
**it is the responsibility of the installer to add devices (safety, limit controls) or systems (alarm, supervisory systems) that protect against, or warn of, control failure.**

### Features

- Direct strap-on mounting or remote mounting model with 42 in. capillary and strap-on bulb.
- The strap-on plate is also the temperature sensing element.
- Dependable enclosed dust protected switch.

### General Description

The SPDT switch has color coded terminals for ease of wiring. Contacts of terminals "R" to "B" close on temperature decrease; "R" to "Y" open on temperature decrease at the dial setting temperature. The direct strap-on model can be mounted in any position except under the selected pipe where condensate



**Fig. 1 -- Surface mounted changeover control shown without cover. Terminal colors are identified.**

### Electrical Ratings

Volts, AC	120	240
Full Load Amps.	10.0	6.0
Locked Rotor Amps.	60.0	36.0
Pilot Duty — 125 VA, 120/240 VAC		

may drip into the control parts. Remote bulb model may be mounted in any position in the chosen location.

A clamp-on mounting strap is supplied on the direct mounting model only. The bulb on the remote mounted control should be fastened to the pipe with high temperature electrical tape.

### Specifications

<b>Product Number</b>	<b>A19CAC-1</b>	Remote Bulb Without Strap
	<b>A19CAC-2</b>	Direct Clamp On With Strap
<b>Range</b>		60 to 90°F (16 to 32°C)
<b>Differential</b>		Fixed, 10F° (5.6C°)
<b>Maximum Ambient Temperature</b>	<b>At Case</b>	140°F (60°C)
	<b>At Sensing Bulb</b>	250°F (121°C)
<b>Switch</b>		SPDT, Sealed Dust Protected Pennswitch
<b>Material</b>	<b>Case</b>	.062" (1.6 mm) Cold Rolled Steel
	<b>Cover</b>	.025" (0.6 mm) Cold Rolled Steel
<b>Finish</b>		Gray Baked Enamel
<b>Conduit Opening</b>		7/8" (22.2 mm) Diameter Hole For 1/2" Conduit
<b>Wiring Connections</b>		Screw Type Terminals
<b>Shipping Weights</b>	<b>Individual Pack</b>	1.2 lb (.54 kg)
	<b>Overpack of 50</b>	52 lb (23.5 kg)



**Fig. 2 -- Changeover control with remote bulb.**

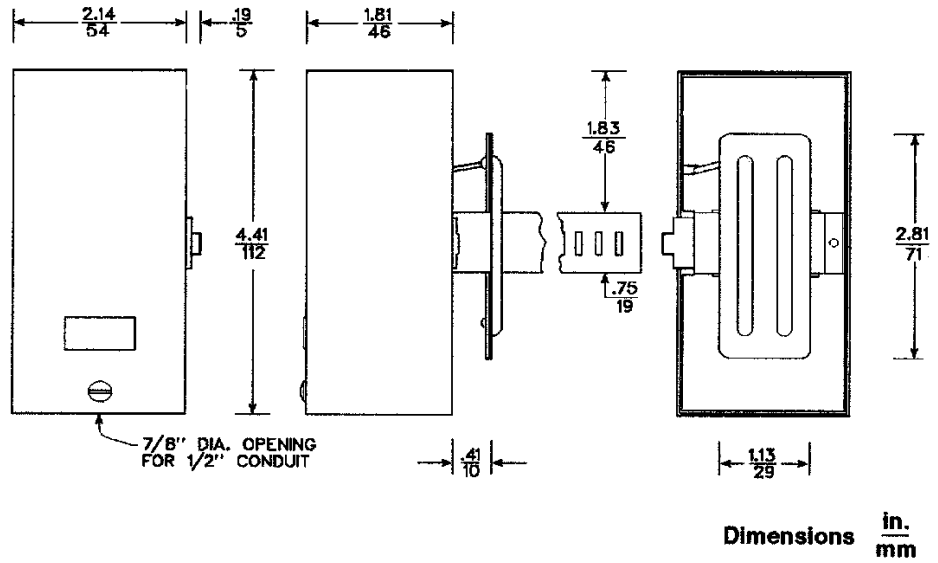
## Ordering Information

Specify Product Number only.

## Repairs and Replacement

Field repairs must not be made. For a replacement control, contact the nearest Johnson Controls wholesaler.

*Performance specifications appearing herein are nominal and are subject to accepted manufacturing tolerances and application variables.*



Dimensions of direct clamp-on model shown. Remote mounting model has same case dimensions.

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