

## JOHNSON CONTROLS - A19 HOT WATER TEMPERATURE CONTROL WITH STRAP-ON MOUNT HOT WATER TEMPERATURE CONTROL WITH STRAP-ON MOUNT

### SELECTION CHART



A19DAC-1

#### DESCRIPTION

A SPDT, Strap-on, surface type hot water control for reverse action. Can be used as either an open high control or an open low control.

#### FEATURES

- Terminals are color-coded to simplify installation
- Can be mounted on either a horizontal or a vertical rise pipe.
- The insulated back portion of the case minimizes the effects of ambient temperature.
- The SPDT switch action for high or low temperature detection.
- Supplied with convertible range adjuster which provides either knob or screwdriver adjustment.

### SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	MOUNTING
A19DAC-1C	SPDT	100 to 240 (38 to 116)	10 (5.6)	Clamp-on Strap Supplied

**NOTE:** Replaces White -Rodgers 1127-2. A19DAC-1 not for use as a limit control.

## JOHNSON CONTROLS - FLANGE MOUNTED DUCT THERMOSTAT

### SELECTION CHART



A19EAF

#### DESCRIPTION

A wide-range temperature control with a special air coil sensing element and an adjustable mounting flange.

#### FEATURES

- SPDT snap-action switch
- Unaffected by barometric pressure or cross-ambient temperatures
- Flat flange mounting with the coil element permits positioning the sensing bulb in the appropriate portion of the air stream.

#### APPLICATIONS

These ducts thermostats are used on rooftop units, makeup-heaters, duct heaters, and air handling systems of all types.

### SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	MAXIMUM BULB
A19EAF-1C	SPDT	60 to 130 (16 to 54)	2 (1.1)	200 (93)
A19EAF-2C	SPDT	30 to 110 (-1 to 43)	2 (1.1)	140 (60)

Compressors, Chillers, Condensers  
 Motors  
 Electrical  
 Heating Components  
 Indoor Air Quality  
 Thermostats  
 Oils & Chemicals  
 Accessories, Supplies & Commodities  
 Tools & Instruments  
 Refrigeration

## JOHNSON CONTROLS - Warm Air Limit Control with Manual Reset

### A25 Series

#### SELECTION CHART



#### DESCRIPTION

The A25 warm air control locks out on temperature increase to the control set point. Manual reset is required before the electrical contacts can be enclosed. The A25 is normally located in a return air duct and is wired to shut down A/C or ventilating fans when the temperature of the air becomes excessively hot.

#### FEATURES

- TRIP-free reset lever does not permit restarting unit until the reset lever is manually released.
- The rod and tube type sensing element provides positive control action

#### APPLICATIONS

- High temperature out-put

#### SPECIFICATIONS

- Maximum element temperature: 300°F (149°C)

#### SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	Range Adjuster
A25AN-1C	SPST Open High	25 to 215(-4 to 102)	Knob	High Limit Set at 125(52)
A25CN-1C	SPDT	25 to 216 (-4 to 102)	Knob	High Limit Set at 125(52)

Factory Manual approved Models

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	Range Adjuster
A25AP-1C	SPST Open High	25 to 216 (-4 to 102)	Concealed ScrewDriver Slot	High Limit Set at 125(52)
A25CP-1C	SPDT	25 to 216 (-4 to 102)	Concealed ScrewDriver Slot	High Limit Set at 125(52)

## JOHNSON CONTROLS - FOUR WIRE, TWO-CIRCUIT TEMPERATURE CONTROL

### A70 Series

#### SELECTION CHART



A70GA-1

#### DESCRIPTION

The A70 Series temperature control incorporates a vapor-charged sensing element. The A70G, A70H, A70K have a 4-wire, 2-circuit contact block that contains two isolated sets of contacts. The contacts are designed so that when the main contact opens, the auxiliary contact closes.

#### FEATURES

- Long-life, snap-acting contacts
- Automatic or manual reset models

#### APPLICATIONS

Typical applications include energizing an indicator light and a low temperature cutout on a ventilating system.

#### SELECTION CHART

PART NO	SWITCH ACTION		Range F°(C°)	Diff F°(C°)	BULB AND CAPILLARY	Max Bulb Temp F°(C°)	Range Adjuster
	MAIN CONTACTS	AUXILIARY CONTACTS					
A70GA-1C(a)	Open Low	Close Low	15 to 55(-1 to 15)	5(2.8)	20 ft. of 1/8 in.O.D. Tubing	400 (260)	ScrewDriver Slot
A70GA-2C	Open Low	Close Low	35 to 80(0 to 25)	3 to 30,Factory set at 12 (-11.1)	3/8 in.*3 in.6 ft.Cap	250(121)	ScrewDriver Slot
A70HA-1C(a)	Open Low	Close Low	15 to 55(-10 to 15)	Manual Reset	20 ft.of 1/8 O.D. Tubing	400(260)	ScrewDriver Slot
A70HA-2C	Open Low	Close Low	35 to 80(0 to 25)	Manual Reset	3/8 in.*3 in.6 ft. Cap	250(121)	ScrewDriver Slot
A70KA-1C	Open High	Close High	100 to 770(38 to 77)	Manual Reset	3/8 in.*10 in.6 ft. Cap	240(116)	ScrewDriver Slot

(a) The low cutout stop is set and sealed at 35°F (1.6°C). The control responds only to the lowest temperature along any one ft. of the entire 20ft. element or bellows cup.