

JOHNSON CONTROLS

The A11 Series low temperature cutout controls incorporate a 20-ft long, vapor charged sensing element. The A11 reacts to the coldest 18-in. section of the controls sensing element. The A11 is suitable for monitoring the face temperature of hot water coils for freeze protection.



SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	BULB AND CAPILLARY	RANGE ADJUSTER
A11A-1C	SPST - Open Low	35 to 45(2 to 7)	Manual Reset	20 ft of 1/8-in.O.D. Tubing, 4 ft Cap.	Screwdriver Slot

JOHNSON CONTROLS - A19 REMOTE BULB CONTROL

SELECTION CHART

Manual Reset

DESCRIPTION

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

FEATURES

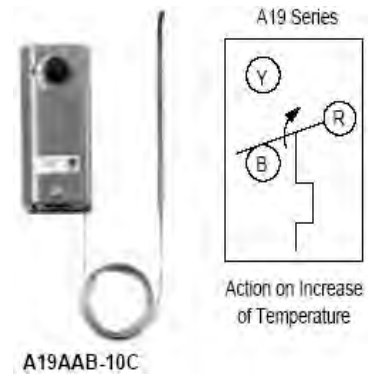
- Wide temperature ranges available
- Constant differential throughout the entire range
- Compact enclosure
- Fixed or adjustable differential available
- Variety of sensing element styles
- Unaffected by cross-ambient conditions

ACCESSORIES

A packing nut is available for closed tank application. Specify the part number FTG13A-600R, bulb wells (WEL14A Series) are available for liquid immersion applications.

APPLICATIONS

The A19 is suitable for temperature control in heating, ventilating, and refrigeration.



SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F (°C)	DIFF F° (C°)	BULB AND CAPILLARY	BULB WELL NO. (Order Separately)	RANGE ADJUSTER	MAX. BULB TEMP °F (C°)
WIDE RANGE - ADJUSTABLE DIFFERENTIAL							
A19ABA-40C*	SPST Open Low	-30 to 100 (-34 to 38)	3 to 12 (1.7 to 6.7)	3/8 in. x 4 in., 6 ft Cap.	WEL14A-602R	Screwdriver Slot	140 (60)
A19ABC-4C	SPDT	50 to 130 (10 to 55)	3-1/2 to 14 (1.9 to 8)	3/8 in. x 5 in., 8 ft Cap.	WEL14A-603R	Knob	170 (77)
+A19ABC-24C†	SPDT	-30 to 100 (-34 to 38)	3 to 12 (1.7 to 6.7)	3/8 in. x 4 in., 8 ft Cap.	WEL14A-602R	Convertible	140 (60)
+A19ABC-36C	SPDT	-30 to 100 (-34 to 38)	3 to 12 (1.7 to 6.7)	3/8 in. x 4 in., 20 ft Cap.	WEL14A-602R	Convertible	140 (60)
A19ABC-37C	SPDT	-30 to 100 (-34 to 38)	3 to 12 (1.7 to 6.7)	3/8 in. x 4 in., 10 ft Cap.	WEL14A-602R	Screwdriver Slot	140 (60)
A19ABC-74C	SPDT	-30 to 100 (-34 to 38)	3 to 12 (1.7 to 6.7)	3/8 in. x 4 in., 6 ft Cap.	WEL14A-602R	Screwdriver Slot	140 (60)
FIXED DIFFERENTIAL							
A19AAF-12C	SPDT	25 to 225 (-4 to 107)	3-1/2 (1.9)	3/8 in. x 3 in., 10 ft Cap.	WEL14A-602R	Screwdriver Slot	275 (135)
CASE COMPENSATED — FIXED DIFFERENTIAL							
A19AAC-4C	SPDT	0 to 80 (-18 to 27)	5(2.8)	3/8 in. x 4 in., 6 ft Cap.	WEL14A-602R	Screwdriver Slot	140 (60)
A19AAD-12C	SPST Open Low	-30 to 50 (-34 to 10)	2-1/2 (1.4)	3/8 in. x 4 in., 7 ft Cap.	WEL14A-602R	Screwdriver Slot	140 (60)
CLOSE DIFFERENTIAL							
A19AAD-5C**	SPST Open Low	30 to 50 (-1 to 10) (Bulk Milk Cooler)	2-1/2 (1.4)	3/8 in. x 2-5/8 in., 6 ft Cap.	WEL16A-601R	Screwdriver Slot	190 (88)
A19AAF-20C	SPDT	-30 to 100 (-34 to 38)	2-1/2 (1.4)	3/8 in. x 4 in., 6 ft Cap.	WEL14A-602R	Screwdriver Slot	140 (60)
A19AAF-21C	SPDT	40 to 90 (4 to 32)	1-1/2 (0.8)	3/8 in. x 5-3/4 in., 6 ft Cap.	WEL14A-603R	Screwdriver Slot	140 (60)
MANUAL RESET							
A19ACA-14C	SPST Open Low	-30 to 100 (-34 to 38)	Manual Reset	3/8 in. x 4 in., 6 ft Cap.	WEL14A-602R	Screwdriver Slot	140 (60)
A19ACA-15C	SPST Open Low	-30 to 100 (-34 to 38)	Manual Reset	3/8 in. x 4 in., 10 ft Cap.	WEL14A-602R	Screwdriver Slot	140 (60)
A19ADB-1C	SPST Open High	100 to 240 (38 to 116)	Manual Reset	3/8 in. x 3-1/2 in. 6 ft Cap.	WEL14A-602R	Knob	290 (143)
A19ADN-1	SPST Open High	100 to 240 (38 to 116)	Manual Reset	3/8 in. x 4 in., 6 ft Cap.	WEL14A-602R	Screwdriver Slot	290 (143)

JOHNSON CONTROLS - A19 REMOTE BULB CONTROL

SELECTION CHART

Manual Reset

*Replaces White-Rodgers 1609-101.

**Case-Compensated.

†Replaces White-Rodgers 1609-12, -13; Ranco O10-1408, -1409, -1410, -1490, O60-110;

+ Universal Replacement

Honeywell L6018C-1006, L6021A-1005, T675-1011, -1508, -1516, -1821, T4301A-1008,

T6031A-1011, T6031A-1029.

JOHNSON CONTROLS - SPECIAL PURPOSE THERMOSTAT (Rubber-Coated Bulb and Capillary)

A19Series

SELECTION CHART



A19AAF-4

DESCRIPTION

This thermostat's rubber-coated bulb is designed for direct immersion.

FEATURES

The rubber-coated bulb and capillary provide corrosion resistance

APPLICATION

- Designed for use in cooling towers

SPECIFICATIONS

- Maximum bulb temperature: 140°F (60°C)

SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	Bulb and capillary	Range Adjuster	Max. Bulb Temp °F(°C)
A19AAF-4C	SPDT	40 to 90 (4 to 32)	1-1/2 (0.8)	3/8 in. * 5-3/4 in. Rubber-Coated 6 ft. Cap	ScrewDriver slot Visible scale	140(60)

JOHNSON CONTROLS - TEMPERATURE CONTROL WITH RAINPROOF ENCLOSURE

SELECTION CHART



A19ANC-1

DESCRIPTION

This is a remote bulb temperature control with a rainproof (NEMA type 3R) enclosure.

FEATURES

- Rainproof gasketed enclosure

SPECIFICATIONS

- Maximum bulb temperature 190°F (88°C)
- Maximum ambient temperature: 140°F

APPLICATION

- Control of cooling tower sump heaters

SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	Bulb and capillary	Bulb Well No.(order separately)	Range Adjuster	Max. Bulb Temp °F(°C)
A19ANC-1C	SPDT	0 to 150(-16 to 66)	5 (2.8) Fixed	0.290 x 2 1/2 in. 10 ft. Cap.	WEL11A-601R	ScrewDriver slot	190(88)

JOHNSON CONTROLS - THERMOSTAT FOR CROP DRYING

SELECTION CHART

A19 Series



A19AAE-3

DESCRIPTION

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

FEATURES

- Designed for high temperature applications
- Narrow (2°F fixed) or wide adjustable differentials.

APPLICATION

Crop drying thermostat energizes gas valve to maintain temperature.

SPECIFICATIONS

- Maximum bulb temperature
 - A19AAE- 200°F (93°C)
 - A19ABB- 240°F (118°C)

SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°) (Factory SET)	Bulb and capillary	Range Adjuster	Max. Bulb Temp °F(°C)
A19AAE-3C	SPST Open High	80 to 180(27 to 82)	2(1.1)Fixed	1/8 in. 1 1/4 in. Copper-coiled 10ft cap.	KnobExt.Scale	200(93)
A19ABB-2C	SPST Open High	50 to 200(10 to 93)	6 to 24(3 to 13) Adjustable	0.290 in. x 2 1/2 in. 10 ft. Cap.	KnobExt.Scale	240(116)

JOHNSON CONTROLS - A19 SERIES HOT WATER TEMPERATURE CONTROL (Well Immersion)

HOT WATER TEMPERATURE CONTROL (Well Immersion)

SELECTION CHART



A19ABC-11

A19ABC-12

DESCRIPTION

This is a universal replacement control for open high or SPDT applications. The control is furnished with a well assembly for 1/2 inch dapping.

FEATURES

- Liquid-filled element provides rapid response to temperature change
- Adjustable differential
- Universal replacement

APPLICATIONS

Operating control for water boilers.

SELECTION CHART

PART NO	APPLICATION	SWITCH ACTION	RANGE °F(°C)	DIFF °F(°C)	WELL CONN.SIZE-NPT	RANGE ADJUSTER	MAX BULB TEMP °F (°C)
A19ABC-11C	Open High (R-B) Open Low (R-Y)	SPDT	100 to 240 (38 to 116)	6 to 24 (3 to 13)	1/2 in.	Convertible	250 (121)
A19ABC-12C	Open High (R-B) Open Low (R-Y)	SPDT	100 to 240 (38 to 116)	6 to 24 (3 to 13)	1/2 in. 8 ft. Cap.	Convertible	290 (143)
A19ADB-2C	High Temp Lockout	Open High with Lockout	100 to 240 (38 to 116)	Manual Reset(locks out high)	1/2 in.	Knob	250 (121)

JOHNSON CONTROLS - AGRICULTURAL/INDUSTRIAL THERMOSTATS with NEMA 4X Enclosure

A19

SELECTION CHART



A19PRC

DESCRIPTION

The A19PRC is a single stage electromechanical thermostat designed for heating and ventilation application. It features a rain tight enclosure for use in agricultural and industrial applications that require compliance with Article 547 of the National Electrical Code. The A19PRC has a rugged plastic enclosure that meets NEMA 4X specifications.

FEATURES

- An O-ring sealed set point adjustment Knob
- Exposed portion of the liquid filled sensing elements are plated and plastic coated to resist damage inn corrosive atmospheres.

APPLICATIONS

Typical Application includes neither controlling ventilation nor heating equipment in animal confinement or industrial buildings.

SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	Bulb and Capillary	Range Adjuster
A19PRC-1C	SPDT	30 to 110(1 to 43)	3 to 12 1.7 to 6.7)	1 3/8 in. x 2 1/4 in. coiled	Knob

JOHNSON CONTROLS - A19 SERIES COILED BULB SPACE THERMOSTAT

SELECTION CHART

VENTILATING, HEATING



A19BAC

DESCRIPTION

Wide range temperature control with air coil sensing element.

FEATURES

- Wide temperature range
- NEMA1 enclosure.

APPLICATION

- Return air or space temperature sensing

To Order

Specify the code number from the following selection chart.

SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	BULB AND CAPILLARY	RANGE ADJUSTER	MAX BULB TEMP °F (°C)
A19BAB-3C	SPST, Open High	35 to 95(0 to 35)	3.0 (1.7) Fixed	1-3/8 in. x 2-1/4 in. Coiled	Knob	140 (60)
A19BAC-1C	SPDT	30 to 110(-1 to 43)	3.5 (1.9) Fixed	1-3/8 in. x 2-1/4 in. Coiled	Convertible	140 (60)
A19BAF-1C	SPDT	30 to 110(-1 to 43)	1.5 (0.9) Fixed	1-3/8 in. x 2-1/4 in. Coiled	Knob	140 (60)

COOLING

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	BULB AND CAPILLARY	RANGE ADJUSTER	MAX BULB TEMP °F (°C)
A19BBC-2C*	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)

*Replaces White-Rodgers 201-16, -8, 2A37-1; Ranco 010-1418, -1802, 016-594, C30-C1101;

Honeywell T631A, T696A, T6054 A1005.

Universal Replacement

JOHNSON CONTROLS - A19 SERIES WATER CHILLER CONTROL (With Locked Cutout/Adjustable Cut-in)

SELECTION CHART



A19ZBA-1

DESCRIPTION

Remote bulb temperature control with limited set point range, adjustable differential, and adjustable cut-out.

FEATURES

- Adjustable cut-out (38° to 47°F)
- Wide differential adjustment range.

ACCESSORIES

- Include Part No. FTG13A-600R packing nut as standard.
- Replacement cover: CVR61A-600R

APPLICATIONS

- Water chillers

SPECIFICATIONS

Maximum bulb temperature: 140°F (60°C)

SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	BULB AND CAPILLARY	BULB WELLNO (Order Separately)	RANGE ADJUSTER
A19ZBA-1C	SPST Close High, Open Low	38 to 80(3 to 27)	8 to 40 (4 to 22) Adjustable	3/8-in. x 3-7/16 in., 6 ft Cap.	WEL14A-602R	Knob

JOHNSON CONTROLS - A19 DEFROST DURATION AND FAN DELAY CONTROL

DEFROST DURATION AND FAN DELAY CONTROL

SELECTION CHART



A19ZBC-2

DESCRIPTION

Remote bulb control with adj. defrost termination temperature & preset fan delay temperature.

FEATURES

- Sensing element unaffected by barometer pressure & cross-ambient temperature problems.
- Limited adjustment range.

APPLICATION

- Defrost termination control for refrigerated display cases.

SPECIFICATIONS

- Maximum bulb temperature: 140°F (60°C).
- Fan delay temperature: factory set at 25°F (-4°C).

SELECTION CHART

PART NO	SWITCH ACTION	DEFROST TERMINATION °F (°C)	BULB AND CAPILLARY	RANGE ADJUSTER
A19ZBC-2C	SPDT	45 to 85 (7 to 29)	19/64 in. x 3-1/8 in. 6 ft Cap.	Knob

JOHNSON CONTROLS - A19 SERIES AUTOMATIC CHANGEOVER WITH STRAP-ON MOUNTING

AUTOMATIC CHANGEOVER WITH STRAP-ON MOUNTING

SELECTION CHART



A19CAC-2 (Remote Bulb Model)

DESCRIPTION

This is a changeover control for use with combination heating and cooling thermostats.

FEATURES

- Automatically select the correct thermostat function

APPLICATION

Recommended for convertors, fan coils, and blast coil units, and similar devices. The A19CAC-2 can be mounted directly on either a vertical or a horizontal pipe, using the can mounting strap supplied with control. The A19CAC-1 has a remote bulb for greater mounting convenience.

SPECIFICATIONS

- Maximum case ambient temperature: 131°F (55°C)
- Maximum bulb temperature: 250°F (121°C).

SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	MOUNTING
A19CAC-1C	SPDT	60 to 90 (16 to 32)	10 (5.6)	42 in. cap.
A19CAC-2C	SPDT	60 to 90 (16 to 32)	10 (5.6)	Direct

JOHNSON CONTROLS - THERMOSTAT FOR HAZARDOUS LOCATIONS

SELECTION CHART



DESCRIPTION

This thermostat provides remote bulb or coiled bulb sensing for hazardous environments.

FEATURES

- A precision enclosed switch and a liquid filled sensing element provides repeat accuracy that is unaffected by barometric pressure and cross-ambient temperature fluctuations.
- The SPDT switch provides open high or close high action for heating or cooling
- The electrical rating permits direct control of most equipment

APPLICATIONS

These thermostats are designed for use in grain elevators, chemical and powder plants, mines, oil refineries, and similar sites. For use in Class I, Group D and Class II, Groups E, F, and G hazardous locations.

SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	Bulb and capillary	Range Adjuster	Bulb Well (if required)	Max. Bulb Temp °F(°C)
A19AUC-1C	SPDT	-30 to 50 (-34 to 10)	5 (2.8)	3/8 in. * 4-1/16 in. 6 ft. Cap.	Knob	WEL14A-602R	140(60)
A19AUC-1C	SPDT	20 to 80 (-7 to 27)	3-1/2(1.9)	3/8 in.* 4-31/32 in.6 ft.Cap.	Knob	WEL14A-603R	140(60)
A19BUC-2C	SPDT	20 to 80 (-7 to 27)	3-1/2(1.9)	Coiled	Knob	WEL14A-603R	140(60)

JOHNSON CONTROLS - THERMOSTAT FOR PORTABLE HEATERS(Chain Mount and Drop Cord Electrical Connection)

SELECTION CHART



DESCRIPTION

Sturdy compact thermostat designed especially for temporary installations.

FEATURES

- 6 foot extension cord with piggyback style plug
- NEMA 1 enclosure
- Chain mount

APPLICATIONS

- On/Off control of portable space heaters
- Agriculture

SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	Max. Bulb Temp °F(°C)
A19BAG-1C	SPST Open High No Heat position	35 to 95 (2 to 35)	3 (1.7)Non-Adj.	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

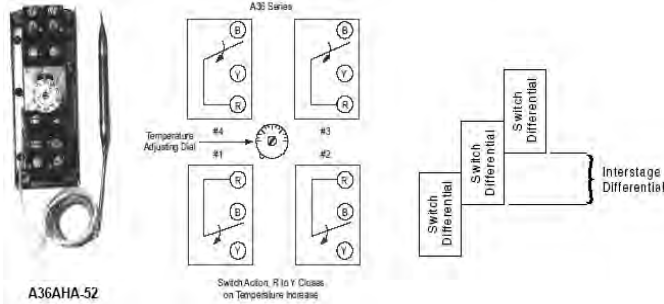
PART NO	SWITCH ACTION		Range F°(C°)	Diff F°(C°)	BULB AND CAPILLARY	Max Bulb Temp F°(C°)	Range Adjuster
	MAIN CONTACTS	AUXILIARY CONTACTS					
A70GA-1C(a)	Open Low	Close Low	15 to 55(-1 to 15)	5(2.8)	20 ft. of 1/8 in.O.D. Tubing	400 (260)	ScrewDriver Slot
A70GA-2C	Open Low	Close Low	35 to 80(0 to 25)	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.

JOHNSON CONTROLS - FOUR STAGE REMORE BULB THERMOSTATS

A36 Series

SELECTION CHART



DESCRIPTION

The A36 series are four stage thermostats with open construction for use in panel mounting.

FEATURES

- Screwdriver slot adjustment w/calibrated dial enables movement of entire staging band within the range.

ACCESSORIES

- Enclosure: CSE57A-600

APPLICATIONS

- Cycling control for multiple refrigeration compressors or unloading type compressors.

SPECIFICATIONS

- Maximum bulb temperature:
 - 120°F (49°C) in operation
 - 140°F (60°C) when sniping

SELECTION CHART

PART NO	SWITCH ACTION	Range F°(C°)	Diff F°(C°)	BULB AND CAPILLARY	Bulb Well No.(Order Separately)	Range Adjuster
A36AHA-50C(a)	4 SPDT-Switches	65 to 95 (13 to 35)	2 Each Stage 1-1/2 Between Stages	3/8 in. x 5 1/4 in.w/12 in.Nylon Armor	WEL14A-603R	Screw Driver Slot Calibrated Dia.
A36AHA-52C(a)	4 SPDT-Switches	65 to 95 (13 to 35)	2 Each Stage 1-1/2 Between Stages	3/8 in. x 5 1/4 in.w/12 in.Nylon Armor	WEL14A-603R	Screw Driver Slot
A36AHA-58C(b)	4 SPDT-Switches	0 to 70 (-18 to 21)	2 Each Stage 1-1/2 Between Stages	3/8 in. x 4 3/4 in.15ft.Braid Armor Cap	WEL14A-502R	Screw Driver Slot
A36AHB-33C(b)	4 SPDT-Switches	0 to 70 (-18 to 21)	2 Each Stage 1-1/2 Between Stages	3/8 in. x 4 3/4 in.15ft.Braid Armor Cap	WEL14A-502R	Screw Driver Slot

(a) Calibrated at mid switching point...computer room or comfort control.

(b) Calibrated at low switching point...special close control chiller applications.

JOHNSON CONTROLS - COOLING TOWER OR EVAPORATIVE CONDENSER CONTROLS (Single Stage Temperature Contr with Outdoor Enclosure)

A72 Series

SELECTION CHART



DESCRIPTION

The A72AE and A72CE are wide range temperature controls with heavy duty DPST contacts and neoprene coated sensing elements.

APPLICATIONS

- Control of cooling tower fans; motorized valves or solenoid operated valves.

SPECIFICATIONS

- Ambient temperature limits: -65 to 150°F (-54 to 66°C).
- Maximum bulb temperature: 170°F (77°C).

SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	BULB AND CAPILLARY	RANGE Adjuster
A72AE-1C	DPST Close High	25 to 90 (-5 to 30)	4 to 25 (2.2 to 14)	1-1/16 in. x 6-3/4 in. Neoprene Coated 6 ft. Cap.	Internal Screwdriver Slot
A72CE-1C	DPST Close High	25 to 90 (-5 to 30)	4 to 25 (2.2 to 14)	1-1/16 in. x 6-3/4 in. Neoprene Coated 6 ft. Cap.	Internal Screwdriver Slot

JOHNSON CONTROLS - TWO POLE HEAVY DUTY TEMPERATURE CONTROL(Adjustable Differential)

SELECTION CHART



DESCRIPTION

The A72 Series temperature controls incorporate a vapor charged sensing element and heavy duty contacts.

FEATURES

- Double pole single throw contact block contain two isolated sets of contacts that make or break simultaneously.

APPLICATIONS

- Automatic control of heavy electrical loads.

SELECTION CHART

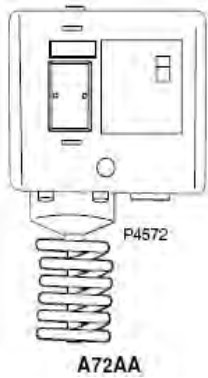
PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	BULB AND CAPILLARY	Max Bulb Temp F°(C°)	Range Adjuster
A72AA-1C	DPST Close High Open Low	-30 to 30 (-34 to -1)	4 to 25 (2 to 14)	3/8 in.* 3in. C ft. Cap	200(93)	ScrewDriver Slot
A72AA-2C	DPST Close High Open Low	15 to 55 (-9 to 13)	3 to 30 (1.7 to 17)	3/8 in.* 3in. C ft. Cap	200(93)	ScrewDriver Slot
A72AA-3C	DPST Close High Open Low	50 to 90 (10 to 32)	3 to 30 (1.7 to 17)	11/16 in.*6-3/4 in.Cross Ambient 6 ft. Cap	135(57)	ScrewDriver Slot
A72AP-1C	DPST Close High Open Low	-10 to 65 (-23 to 18)	4 to 40 (2 to 22)	11/16 in.*6-3/4 in.Cross Ambient 6 ft. Cap	130(54)	ScrewDriver Slot

(a) Packing nut assembly available for direct immersion applications, Part No, FTG13A-800R.

(b) Equipped with manual "PUSH TO START" button. Manual start feature is especially dose between closing and opening setting of switch.

Refrigeration

JOHNSON CONTROLS - A72AA SERIES COILED BULB SPACE THERMOSTAT (Cooling) SELECTION CHART



DESCRIPTION

The A72 is a space sensing thermostat with heavy-duty contacts

APPLICATION

Compressor cycling for walk-in coolers and freezers.

SELECTION CHART

PART NO	SWITCH ACTION	RANGE °F(°C)	DIFF F°(C°)	BULB AND CAPILLARY	RANGE Adjuster
A72AA-4C	DPST Close High Open Low	15 to 55 (-9 to 13)	3 to 30 (1.7 to 17)	Coiled Copper Bulb	ScrewDriver Slot

Compressors,
Chillers, Condensers

Motors

Electrical

Heating
Components

Indoor Air
Quality

Thermostats

Oils &
Chemicals

Accessories, Supplies
& Commodities

Tools &
Instruments

Refrigeration