



A72 Series Two-Pole Heavy Duty Temperature Controls (Adjustable Differential) Catalog Page

LIT-1927145

2020-04-21



Description

The A72 Series Temperature Controls incorporate a vapor charged sensing element and heavy duty contacts.

Refer to the *A70, A72 Series Temperature Controls for Refrigeration and Heating (LIT-125155)* for important product application information.

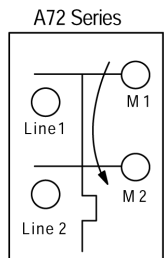
Features

The double-pole, single-throw (DPST) contact block contains two isolated sets of contacts that make or break simultaneously.

Applications

Use for automatic control of heavy electrical loads.

Figure 1: A72 action diagram



Action on Increase on Temperature

a27 eps

Selection charts

Table 1: A72 Series Two-Pole Heavy Duty Temperature Controls selection chart

Product Code Number	Switch Action	Range °F (°C)	Differential F° (C°)	Bulb and Capillary	Maximum Bulb Temperature °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. x 3 in. ¹ 6 ft capillary	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. x 3 in. ¹ 6 ft capillary	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. x 6-3/4 in. Cross ambient 6 ft capillary	135 (57)	Screw driver slot
A72AP-1C ²	DPST Close high Open low	-10 to 65 (-23 to 18)	4 to 40 (2 to 22)	11/16 in. x 6-3/4 in. Cross ambient 6 ft capillary	130 (54)	Screwdriver slot

1 Packing nut assembly available for direct immersion applications, Code No. FTG13A-600R.

2 Equipped with manual **PUSH TO START** button. Manual start feature is especially desirable on milk cooler jobs; permits manual start of the compressor when bulb temperature is between closing and opening setting of switch.

Table 2: Replacement covers

Product Code Number	Description
CVR17A-620R	Automatic reset cover
CVR17A-621R	Manual reset cover

Technical specifications

Table 3: Electrical ratings

Motor Ratings VAC	120 Single-Phase	208 ¹ Single-Phase	240 ¹ Single-Phase	220 ¹ Two-Phase	208 Three-Phase	220 Three-Phase
Horsepower	2	3	3	5	5	5
AC Full Load A	24.0	24.0	24.0	15.0	15.9	15.0
AC Locked Rotor A	144.0	144.0	144.0	90.0	95.4	90.0
AC Non-Inductive A	24.0	24.0	24.0	-	-	-
DC Non-Inductive A ²	3.0	-	0.5	-	-	-
Pilot Duty	125 VA, 120 to 600 VAC; 57.5 VA, 120 to 300 VDC					

1 These full load and locked rotor ampere (not horsepower) ratings apply to hermetic compressors only.

2 Rating does not apply to the A72AP-1C Control.

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

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