



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

Description

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

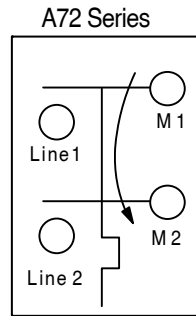
Refer to the *A70, A72 Series Temperature Controls for Refrigeration and Heating (LIT-125155)* for important product application information.

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.



Action on Increase on Temperature

A72 Action Diagram



A72AA-3 Temperature Control

Selection Charts

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)	Screwdriver 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.

Replacement Covers

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

Technical Specifications

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. This rating does not apply to the A72AP-1C Control.