



A72 Series Cooling Tower or Evaporative Condenser Controls (Single-Stage Temperature Control with Outdoor Enclosure)

Description

The A72AE and A72CE are wide range temperature controls with heavy duty double-pole, single-throw (DPST) contacts and neoprene-coated sensing elements.

Refer to the *A72 Series Temperature Controls for Cooling Towers and Evaporated Condensers with Weather Resistant Enclosure Product Bulletin (LIT-125165)* for important product application information.

Features

Open high or close high models are available.

Applications

Use for control of cooling tower fans; motorized valves or solenoid operated valves.

Repair Information

If the A72 Series Cooling Tower or Evaporative Condenser Control fails to operate within its specifications, replace the unit. For a replacement control, contact the nearest Johnson Controls® representative.



A72 Series Temperature Control

Selection Chart

Product Code Number	Switch Action	Range °F (°C)	Differential F° (C°)	Bulb and Capillary	Range Adjuster
A72AE-1C	DPST; close high	25 to 90	4 to 25	11/16 in. x 6-3/4 in.	Internal
A72CE-1C	DPST; open high	(-5 to 30)	(2.2 to 14)	Neoprene-coated 6 ft cap.	screwdriver slot

Technical Specifications

- ambient temperature limits: -65 to 150°F (-54 to 66°C)
- maximum bulb temperature: 170°F (77°C)

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	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.