

A28 Two-Stage Agricultural Thermostat with NEMA 4X Enclosure Catalog Page

Description

The A28PJ and A28PA are two-stage temperature controls with raintight and dusttight enclosures.

Refer to the *A28 Series Two-Stage Temperature Controls with NEMA 1 Enclosure Product Bulletin (LIT-125130)* for important product application information.

Features

- rugged thermoplastic gasketed enclosures that meet NEMA 4X specifications
- O-ring sealed setpoint adjustment knobs
- range scale with oversized white markings for easy readability in low light
- exposed portion of liquid-filled sensing elements are plated and plastic coated to resist damage in corrosive atmospheres

Applications

Designed for use in agricultural and industrial applications that require compliance with Article 547 of the National Electrical Code.

Repair Information

If the A28 Two-Stage Agricultural Thermostat with NEMA 4X Enclosure fails to operate within its specifications, replace the unit. For a replacement thermostat, contact the nearest Johnson Controls® representative.



A28PJ, A28PA Thermostat

Selection Chart

Product Code Number	Switch Action	Range °F (°C)	Differential F° (C°)	Bulb and Capillary	Range Adjuster
A28PJ-1C	Two-SPDT	30 to 110 (-1 to 43)	2 (1.1) each stage 2 to 7 (1.1 to 3.9) adjustable between stages	1-3/8 in. x 2-1/4 in. coiled	Knob
A28PA-2C	Two-SPDT	30 to 110 (-1 to 43)	2 (1.1) each stage 2 to 7 (1.1 to 3.9) adjustable between stages	1-3/8 in. x 2-1/4 in. coiled	Knob

Technical Specifications

Electrical Ratings

Motor Ratings VAC	120	208	240	277
A28PJ				
AC Full Load A	6.0	3.4	3.0	–
AC Locked Rotor A	36.0	20.4	18.0	–
Non-Inductive or Resistance Load A (Not Lamp Loads)	10.0	9.2	8.0	7.2
Pilot Duty	125 VA, 24 to 277 VAC ¹			
A28PA				
AC Full Load A	16.0	9.2	8.0	–
AC Locked Rotor A	96.0	55.2	48.0	–
Non-Inductive or Resistance Load A (Not Lamp Loads)	16.0	9.2	8.0	7.2
Pilot Duty	125 VA, 24 to 277 VAC ¹			

1. When used as a two-circuit control, the total connected load must not exceed 2,000 VA.