



A28 Series Two-Stage Flange Mounted Duct Thermostat

Description

The A28AK is a two-stage temperature control with special air coil sensing element and adjustable mounting flange.

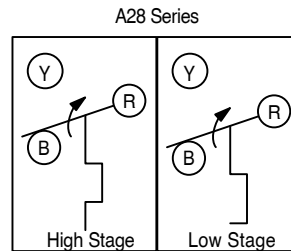
Refer to the *A28 Series Two-Stage Temperature Controls with NEMA 1 Enclosure Product Bulletin (LIT-125130)* for important product application information.

Features

- flat flange mounting with special coil element permits positioning of sensing bulb in the appropriate portion of the air stream
- two single-pole, double-throw (SPDT) snap-acting switches
- unaffected by barometric pressure or cross ambient temperatures

Applications

These duct thermostats are used on roof top units, make-up heaters, duct heaters, and air handling systems of all types.



Action on Increase
of Temperature

A28 Action Diagram



A28AK Thermostat

Repair Information

If the A28 Series Two-Stage Flange Mounted Duct Thermostat fails to operate within its specifications, replace the unit. For a replacement thermostat, contact the nearest Johnson Controls® representative.

Selection Chart

Product Code Number	Number of Stages	Switch Action	Range °F (°C)	Differential F° (C°) Fixed		Maximum Allowable Temperature at Bulb °F (°C)
				Each Stage	Between Stage	
A28AK-1C	Two	Two-SPDT switches	30 to 110 (-1 to 43)	2 (1.1)	3 (1.7)	140 (60)
A28AK-2C	Two	Two-SPDT switches	60 to 130 (16 to 54)	2 (1.1)	3 (1.7)	200 (93)

Technical Specifications

Electrical Ratings

Motor Ratings VAC	120	208	240	277
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			

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