A25 Series Warm Air Limit Control with Manual Reset Catalog Page

LIT-1927105

2020-04-21



Description

The A25 Warm Air Control Locks out on a temperature increase to the control setpoint. Manual reset is required before the electrical contacts can be reclosed.

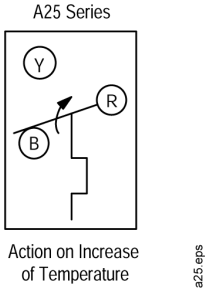
The A25 Control is normally located in a return air duct and is wired to shut down air conditioning or ventilating fans when the temperature of the air becomes excessively hot.

Refer to the *A25 Series Warm Air Control with Manual Reset Product Bulletin (LIT-125118)* for important product application information.

Applications

Use for high temperature cut-out.

Figure 1: A25 Series action diagram



Features

- trip-free reset lever does not permit restarting until the reset lever is manually released
- the rod and tube type sensing element provides positive control action

Repair information

If the A25 Series Warm Air Limit Control with Manual Reset fails to operate within its specifications, replace the unit. For a replacement control, contact the nearest Johnson Controls® representative.

Selection chart

Table 1: Selection chart

Product Code Number	Switch Action	Range °F (°C)	Range Adjuster	Dial Stop °F (°C)
A25AN-1C	Single-Pole, Single-Throw (SPST), Open high	25 to 215 (-4 to 102)	Knob	High limit set at 125 (52)
A25CN-1C	Single-Pole, Double-Throw (SPDT)	25 to 215 (-4 to 102)	Knob	High limit set at 125 (52)
Factory Mutual Approved Models				
A25AP-1C	SPST Open high	25 to 215 (-4 to 102)	Concealed screwdriver slot	High limit set at 125 (52)
A25CP-1C	SPDT	25 to 215 (-4 to 102)	Concealed screwdriver slot	High limit set at 125 (52)

A25 Warm Air Limit Control technical specifications

The maximum element temperature is 300°F (149°C).

Table 2: Electrical ratings

Motor Ratings VAC	120	208	240	277
AC Full Load A	16.0	9.2	8.0	–
AC Locked Rotor A	96.0	55.2	48.0	–
Non-Inductive A	16.0 A at 120/277 VAC			
Pilot Duty	125 VA, 24 to 600 VAC			

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

APAC	Europe	NA/SA
JOHNSON CONTROLS C/O CONTROLS PRODUCT MANAGEMENT NO. 32 CHANGJIJANG RD NEW DISTRICT WUXI JIANGSU PROVINCE 214028 CHINA	JOHNSON CONTROLS WESTENDHOF 3 45143 ESSEN GERMANY	JOHNSON CONTROLS 507 E MICHIGAN ST MILWAUKEE WI 53202 USA

Contact information

Contact your local branch office:
www.johnsoncontrols.com/locations

Contact Johnson Controls:
www.johnsoncontrols.com/contact-us

© 2020 Johnson Controls. All rights reserved. All specifications and other information shown were current as of document revision and are subject to change without notice.
www.penncontrols.com