Frost protection thermostat
Type A2G-65, air2guide AF7

Applications

- For temperature control and prevention of frost damage to water heating coils in ventilation and air-conditioning systems
- The SPDT switch can be used to initiate the following frost-protection measures:
  - Ventilator OFF
  - External air damper CLOSED
  - Heating coil valve 100 % OPEN
  - START of heating coil pump
  - Chiller (condenser) and air-humidifier OFF
  - Activation of the visible and/or audible frost warning alarms

Special features

- Automatic resetting
- Small dead band
- High switching repeatability
- Comes standard with mounting accessories
- Easy mounting

Description

Design standards
CE conformity: 2004 / 108 / EG Electromagnetic compatibility (EMC)
Product safety: 2001/95/EC Product safety
EMC: EN 60730-1: 2002
Product safety: EN 60730-1: 2002

Active sensor length
approx. 23.6 inches

Switching type
SPDT switch, max. 250 V AC, max. 10 A
Contact material: Ag / Ni (90 % / 10 %), gold-plated (3 µm)

Ingress protection
NEMA 3 (IP 65 per EN 60529 / IEC 529)

Adjustable set point range
+14 … 59 °F (Factory setting at 41 °F)

Switching difference
≤ 4 °F , ±2 °F

Repeatability
±1 °F
Standard features

Capillary tube
Cu-alloy
Length 9 feet, optional 5.5 or 18 feet

Capillary tube filling
R 507 refrigerant

Resetting
Automatic, manual optional

Electrical connection
Cable gland M16 x 1.5

Permissible temperature
Ambient: \( w + \) minimum 2 K … 70 °C
\( (w = \) selected setpoint) 

Housing material
Lower body: PA GK30
Cover: ABS clear

Dimensions in inches

The specifications given in this document represent the state of engineering at the time of publishing. We reserve the right to make modifications to the specifications and materials.