Frost protection thermostat
Type A2G-65

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
- 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)

Adjustable set point range
- -10 ... 15 °C (Factory setting at 5 °C)

Ingress protection
- NEMA 5 (IP 65 per EN 60529 / IEC 529)

Switching difference
- ≤ 2 °F, ±1 °C

Repeatability
- ±0.5 °C
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

Housing material
Lower body: PA GK30
Cover: ABS clear

Dimensions in inches

Wiring diagram

1 - 2 Normal operation
1 - 4 Risk of frost

Standard accessories

- Mounting clamps, 6 pieces for 9 foot long capillary tube
- 2 x feeder grommets DA 20/80/10

Options

- Manual resetting
- Capillary tube length 5.5 or 18 feet