



Product Overview

The AX-xC-P1 proportional temperature controllers provide 0-10Vdc output proportional to the difference between the setpoint and the measured temperature. The output signal can be used to control VAV Boxes, modulating damper motors, modulating valve actuators, relay modules or thyristor power controllers among others. The unit is powered from 24Vac/dc. There are both Duct and Immersion versions available.

Features

- Internal Setpoint Adjustment
- Duct and Immersion sensor variants
- Heating or Cooling - Jumper selectable
- 24Vac/dc
- Adjustable proportional band

Product Specifications

Power Supply:	24Vac/dc \pm 15%
Power Consumption:	<1VA
Output Signal:	0-10Vdc @3mA
Setpoint Range:	-10 to 50°C
Proportional Band:	2 to 12°C adjustable
Mode of Operation:	Heating or Cooling - jumper selectable
Temperature Element:	10K3A1
Dimensions:	Housing 80 x 80 x 52mm (excluding glands & flanges) Probe 150mm x 6mm diam Steel
Terminals:	Terminals for 0.5 to 2.5mm ² cable
Cable Gland:	M20 Compression Gland
Protection:	IP65
Country of Origin:	United Kingdom

Order Codes

AX-DC-P1	Duct Temperature Proportional Controller 0-10V output heating or cooling
AX-IC-P1	Immersion Temperature Proportional Controller 0-10V output heating or cooling
AX-TE-ISP	Steel Pocket for Immersion sensor

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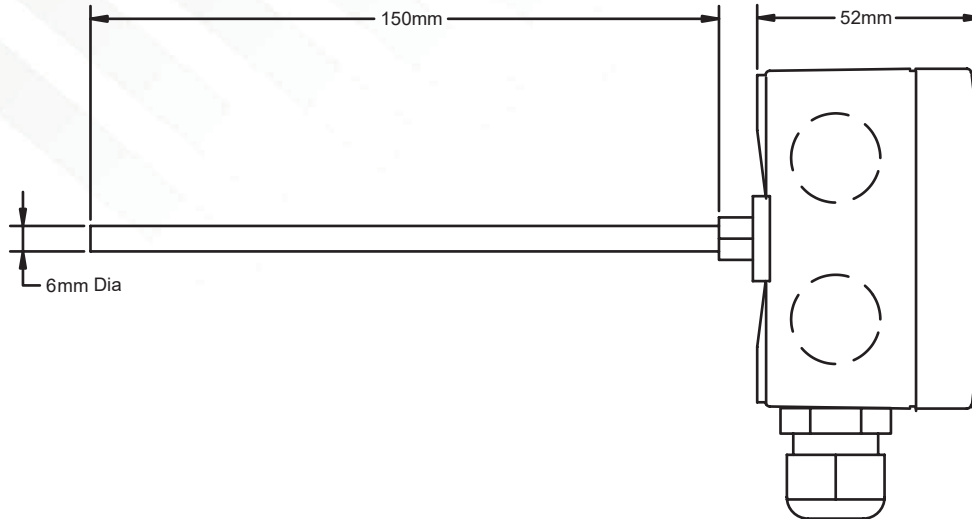
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AX-xC-P1

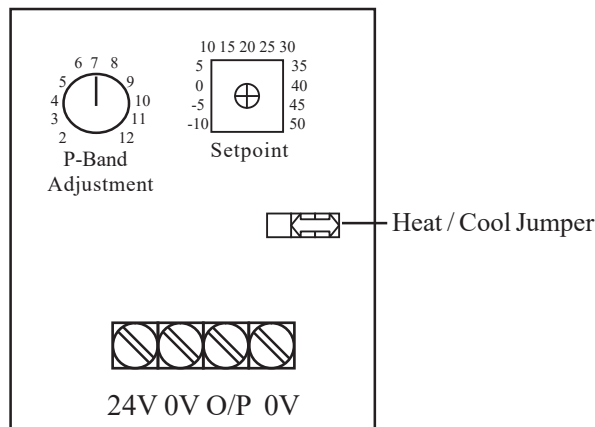
Proportional Temperature Controller with Setpoint - Single output



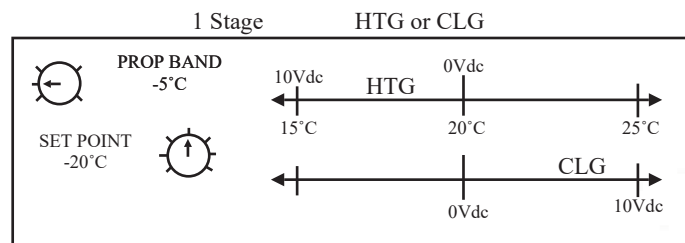
Dimensions



Connections



Example Single Stage



Datasheet Contents

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