

AX-DFCT-TH7281

Electronic Thermostats

AXIO



Product Overview

The AX-DFCT-TH7281 Electronic thermostats are a range of wall mounted units for heating or cooling applications. These units can be either mains or battery operated. There is also a programmable version available

Features

- Low Profile Housing
- Mains and Battery versions
- Programmable version available
- Switches loads up to 7A

Product Specifications

Measurement Range:	0 to 45°C
Setpoint Range:	5 to 35°C
Operating Voltage:	AX-DFCT-THxxxx-H 240Vac @ 50/60Hz 24Vac ±15%
	AX-DFCT-THxxxx-B 2 x 1.5V AAA Battery
Switch Type:	SPDT Volt Free Contacts
Switch Rating:	7A Resistive (£a Inductive) @ 240Vac
Temperature Differential:	0.5°C (approx)
Sensing Element:	NTC thermistor
Terminals:	Suitable for 0.5-2mm ² cable
Time Constant:	3 minutes approx
Dimensions:	73.4 x 73.4 x 30mm (max)
Weight:	AX-DFCT-TH7281 100g AX-DFCT-TH9520 110g
Ambient Temperature:	0 to 50°C
Operating Humidity:	5 to 90% non-condensing
Country of Origin:	Italy

Order Codes

AX-DFCT-TH7281B	Electronic Room Thermostat c/w batteries
AX-DFCT-TH7281H	Electronic Room Thermostat main powered
AX-DFCT-TH9250B	Programmable Electronic Room Thermostat c/w batteries
AX-DFCT-TH9250H	Programmable Electronic Room Thermostat mains powered

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Installation

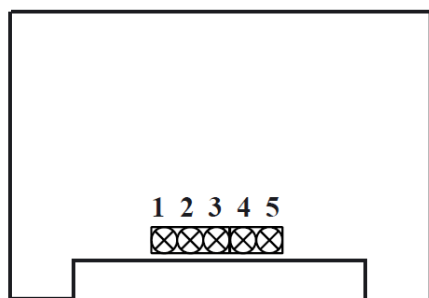
The AX-DFCT-THxxxxH space thermostats should be installed by a suitably qualified technician only. The unit operates at mains voltage and should be installed in accordance with all prevailing regulations.

Mounting

- 1/ The Thermostat should be installed on the inside wall of a room that is often used, approximately 1.5m above the floor in an area of good air circulation .
- 2/ Avoid areas that exhibit unusual conditions such as in direct sunlight or near a door , window, fireplace, or stairwell. Hot water pipes and appliances on the opposite side of the wall may affect accuracy .
- 3/ Remove the front cover, using a screwdriver to depress the hook on the top of the front cover
- 4/ Mount the base with the wire through the holes at the base of the unit , fix the back-box through the holes in the base.
- 5/ Connect up the thermostat as below
- 6/ If Battery operated insert the batteries as indicated on the unit .
- 7/ Replace the front cover
- 8/ If mains operated replace fuse on main circuit breaker.

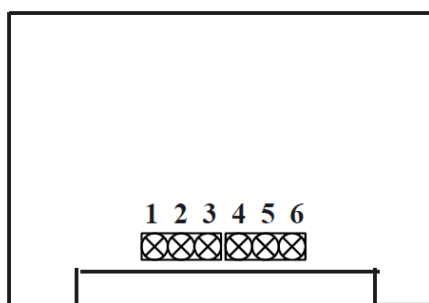
Connections

-B Battery Version



- | | |
|---|--------------|
| 1 | N.O. Cooling |
| 2 | |
| 3 | N.C. Heating |
| 4 | |
| 5 | Relay Common |

-H Mains Version



- | | |
|---|--------------|
| 1 | N.O. Cooling |
| 2 | N.C. Heating |
| 3 | Relay Common |
| 4 | Neutral |
| 5 | 24Vac |
| 6 | 240Vac Mains |

Programmable Parameters (9520 versions only)

- 1/ Operation Mode setting either 5+ 2 days or 5+1+1 days or 5+ 2 days. (with 6 on/off time settings per day)
- 2/Clock Setting
- 3/Program Setting
- 4/Vacation Mode
- 5/Temporary Override
- 6/ Comfort override
- 7/ Temperature calibration
- 8/ Reset Mode

Datasheet Contents

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