

# AT-F CE

Digital air sensing thermostat for electrical freeze protection heating systems.

# AIRSTAT

Digital Thermostat

- Pre-set for freeze protection applications
- Switches ON at +2°C and OFF at +5°C
- Remote sensing up to 100m
- 8 amp direct switching capacity
- 115 VAC or 230 VAC (nominal) versions available
- Mains ON indication
- Heater ON indication
- DIN rail mounting

## FEATURES

The AT-F AIRSTAT controller is a digital ON/OFF air sensing thermostat. The sensor may, alternatively, sense a surface temperature.

It is a non-adjustable controller that energises the heating circuit when the sensor temperature falls to +2°C. The system then de-energises as the sensor temperature rises above +5°C.

The AT-F is a simple and economical controller for freeze protection using electrical heating systems.

The accuracy of this unit is +/- 0.5°C.

The AT-F has a single pole changeover switch.

The temperature sensor is fitted with a 3.5m long lead and is connected directly to the terminals as shown. Alternatively, it may be sited remotely, up to 100 metres away and connected back to the unit via suitably earthed electric cable.

## BENEFITS

- Inexpensive
- Supply 'ON' and heater 'ON' indication
- ON / OFF control switch
- No site calibration required
- Sensor location up to 100 metres

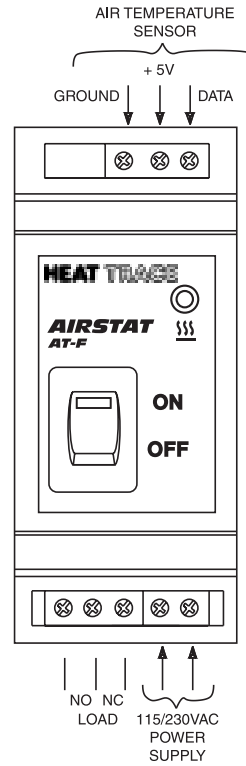


# SPECIFICATION

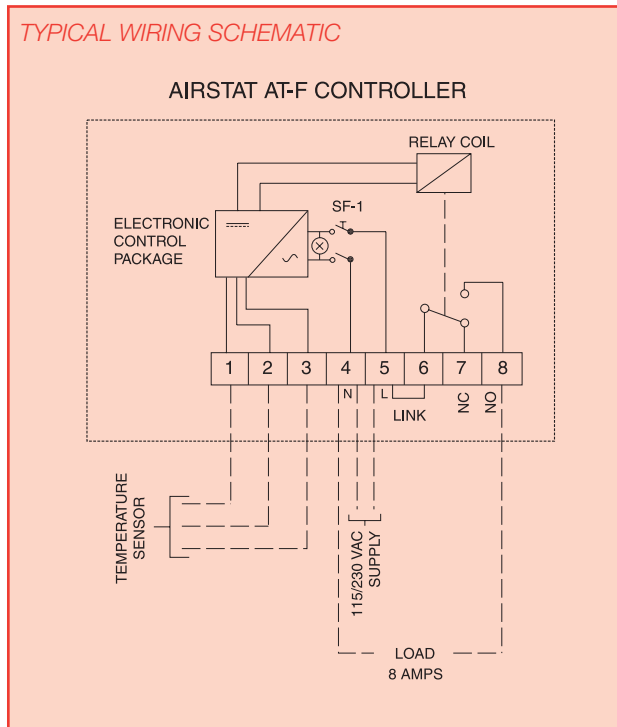
<b>UNIT TEMPERATURE LIMITS</b>	0°C TO +50°C
<b>MAXIMUM RELATIVE AIR HUMIDITY</b>	80% (at +35°C)
<b>POWER SUPPLY</b>	AT-F/1 - 115 VAC (nominal) AT-F/2 - 230 VAC (nominal)
<b>SWITCH RATING</b>	8 Amps
<b>CONTROL RANGE</b>	ON at +2°C OFF at +5°C
<b>SENSOR TYPE</b>	TST04/1 (direct or remote sensing)
<b>SENSOR CABLE LENGTH</b>	3.5m
<b>WEIGHT OF UNIT</b>	100 Grams
<b>DIMENSIONS (mm)</b>	33 x 89 x 66
<b>MOUNTING</b>	DIN rail (for panel mounting)
<b>INDICATION</b>	Supply ON Heater ON
<b>TERMINALS</b>	2.5mm <sup>2</sup>
<b>CONTACTS</b>	normally open or normally closed (changeover)

## TERMINAL DETAILS

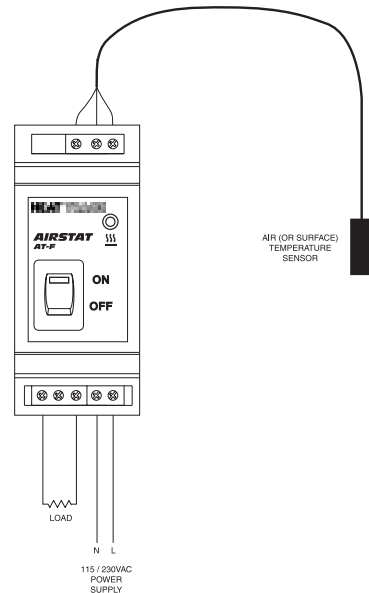
Normal condition of contacts with power supply OFF.



## TYPICAL WIRING SCHEMATIC



## TYPICAL CONFIGURATION



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