Envirostat FP4i from United Automation

The Electronic Thermostat for Frost Protection

United Automation Ltd

- Temperature Ranges -10 to +10℃
- 16 Amps Current Capacity
- Soft Start
- Suitable for 230VAC
- Includes Integrated 2 Metre Sensor
- IP65 Rating
- 1℃ Accuracy
- Load Failure Indication
- Sensor Fault Indication
- 4 hourly test cycle

The Envirostat FP4i is an electronic thermostat designed to give energy efficient frost protection to pipe work where thermal insulation alone cannot protect pipes from freezing or being damaged by ice. The FP4i can also be used in temperature maintenance systems where there is a requirement to maintain a fluid at a desired temperature.

With on board alarm features to monitor internal and external fault situations. The LED indicator can highlight a particular fault by LED pulse rate.

The envirostat will automatically switch the power off to the load once an error is detected.

With solid state reliability, this product can be fitted and left to work only notifying you when a fault is detected. The built in soft start function ensures that each time power is initialised the load is energised gradually to suppress the increased inrush current associated with this type of application. This will help to significantly increase the life of the heater tape and protect against any weaknesses.

Features
- Soft Start
- Built in Sensor
- 1℃ accuracy
- Load Failure Indication
- Sensor Fault Indication
- System Test check

- Accurate temperature monitoring and control for loads up to 16A.
- Reduced Inrush Current via Soft Start offers Increased Safety and improved Life of Heater Tape
- Built for a variety of applications it offers visual indication when a failure occurs.
- System test on installation plus routine retest
- The Envirostat is a cost effective solution to a potentially expensive failure.

Benefits

- **Energy Saving**
- **Soft Start**
- **System test on start up**
- **Scheduled System check**
- **Simple Installation**
- **Closed Loop Temperature Control**
- **CE Approved**
- **RoHS Compliant**
- **Low Cost Solution**
- **Solid State Reliability**
- **Maintenance Free**

Technology when you need it most

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All businesses are becoming more conscious of their energy costs and environmental issues, often as a result of legislation. To help them take action, United Automation has introduced the Envirostat range of controllers, covering a wide range of heating applications. The Envirostat FP4i is designed to offer a high quality controller with a wide range of features often associated with more expensive products. With years of experience in design and manufacturing control systems many of these features are already incorporated within our products.

Alarm Indication

Power LED GREEN Illuminates only when load is ON

Status LED RED:

- 0.5 second Pulse - Output/Load Failure
- 0.1 second Pulse – Sensor Failure

Technical Specification

Supply Voltage	230 VAC +/- 10%
Supply Frequency	50Hz
Switching Capacity	4kW Max
Temperature Range	-10 to +10℃
Accuracy	1℃
Soft Start Duration	1 second
Terminals	2.5mm² Rising Clamp
Operating Temperature	-20˙to +40C
Protection Rating	IP65
Current Consumption	15mA
Enclosure Dimensions	95x130x55
Fixing Centre's	97x82

SERVICES AVAILABLE

Technical Support

Installation and Setup

Application Support

Hardware Support

12 months Warranty

FARNELL ORDER CODE: 1838708

ENVIROSTAT FP4i