Envirostat FP6i from United Automation

The Electronic Thermostat for Frost Protection

United Automation Ltd

- ➢ Temperature Range -10 to +10℃
- ➢ 25 Amps Current Capacity
- ➢ Suitable for 230VAC
- ➢ Soft Start
- ➢ Includes Integrated 2 Metre Sensor
- ➢ IP65 Rating
- ➢ Mains Supply Indication
- ➢ Load Failure Indication
- ➢ Sensor Fault Indication
- ➢ BMS interface

The Envirostat FP6i 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. With the cost of energy and the environment becoming a major factor that all businesses are now accountable for, United Automation has introduced the Envirostat range of products.

The Envirostat FP6i is designed to offer frost protection with a temperature range of -10C to +10C. With a built in BMS output, the FP6i model offers a high quality product 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.

- • Accurate temperature monitoring and control for loads up to 25A.
- • 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.
- • BMS interface
- • The Envirostat is a cost effective solution to a potentially expensive failure.
- • Supplied complete with sensor

Benefits

- ➢ **Soft Start**
- ➢ **Energy Saving**
- ➢ **Simple Installation**
- ➢ **Closed Loop Temperature Control**
- ➢ **RoHS Compliance**
- ➢ **CE Approved**
- ➢ **Low Cost Solution**
- ➢ **Solid State Reliability**
- ➢ **Maintenance Free**

Technology when you need it most

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Features

- ➢ Soft Start
- ➢ Mains Supply Indication
- ➢ Load Failure Indication
- ➢ Sensor Fault Indication
- ➢ BMS interface
- ➢ Sensor Supplied

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For more information on any of our products or services please visit us on the Web at:
www.envirostat.eu
www.united-automation.com

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Envirostat FP6i provides a complete solution for monitoring a wide range of applications. With alarm features to monitor internal and external fault situations and the BMS volt free interface to provide a remote alarm facility.

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.

Alarm Indication

- Green LED Power ON
- Yellow LED Illuminates only when load is ON
- RED Alarm LED:
    - 0.5 second Pulse - Output/Load Failure
    - 0.1 second Pulse – Sensor Failure
- BMS Interface

Technical Specification

Supply Voltage	230 VAC +/- 10%
Supply Frequency	50Hz
Switching Capacity	6kW 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	120x122x65
Fixing Centre's	110x90

SERVICES AVAILABLE

Technical Support

Installation and Setup

Application Support

Hardware Support

12 months Warranty

FARNELL ORDER CODE: 1838710

ENVIROSTAT FP6i

united automation limited