



# Envirostat MP6i from United Automation

The Electronic Thermostat for Trace Heating and Frost Protection

United Automation Ltd

- 2 Selectable Temperature Ranges  
-10 to +60°C/+60-+130°C
- 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
- Audible Alarm



With energy cost and the environment becoming a major factor that all businesses are now having to take control of, United Automation has introduced the Envirostat range. The Envirostat MP6i is the flag ship model designed to offer 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.

With solid state reliability, this product can be fitted and left to monitor the application. The built in soft start function ensures that each time power is initialised, the load is energized 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
- Mains Supply Indication
- Load Failure Indication
- Sensor Fault Indication
- BMS interface
- Sensor Supplied

- 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.
- Supplied with 2 Metre sensor
- The Envirostat is a cost effective solution to a potentially expensive failure.

## Benefits

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

Technology when you need it most

X50065 Issue1 30/08/2010

# Envirostat MP6i from United Automation

## The Electronic Thermostat for Trace Heating and Frost Protection



Envirostat MP6i 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 a 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
-  Sounder Alarm
-  BMS Interface

## Technical Specification

- Supply Voltage 230 VAC +/- 10%
- Supply Frequency 50Hz
- Switching Capacity 6kW Max
- Temperature Range -10 to +60°C  
60 to +130°C
- Accuracy 1°C
- Soft Start Duration 1 second
- Terminals 2.5mm<sup>2</sup> 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

### Buy Online

[www.farnell.com](http://www.farnell.com)

Order Code 1838711

### Product Information

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

### Contact us:

Technical Enquiries  
0044 (0) 1704 516509

### General Enquires

Tel: 0044 (0) 1704 516500  
Fax: 0044 (0) 1704 516501  
E-mail: [enquiry@united-automation.com](mailto:enquiry@united-automation.com)

United Automation Ltd,  
Southport Business  
Park,  
Kew, Southport  
PR8 4HQ  
ENGLAND.



FARNELL ORDER CODE: 1838711

ENVIROSTAT MP6i

