



# Envirostat FP6E from United Automation

The Electronic Thermostat for Frost Protection

United Automation Ltd

- Temperature Range  
-10 to +10°C
- 25 Amps Current Capacity
- Suitable for 230VAC
- Soft Start
- LED Indication
- Includes Integrated Sensor
- IP65 Rating
- Mains Supply Indication
- Load Failure Indication
- Sensor Fault Indication



The Envirostat FP6E 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 FP6E is designed to offer frost protection with a temperature range of -10°C to +10°C.

The FP6E model offers 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.

## Features

- Soft Start
- LED Indication
- 6kW Switching Capacity
- Mains Supply Indication
- Load Failure Indication
- Sensor Fault Indication

- 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.
- System and Load test on Installation plus 4 hourly retest.
- The Envirostat is a cost effective solution to a potentially expensive failure.

## Benefits

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

Technology when you need it most

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#### Buy Online

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

Order Code 1838709

#### 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.



# Envirostat FP6E from United Automation

## The Electronic Thermostat for Frost Protection



Envirostat FP6E provides a complete solution for monitoring a wide range of applications. With built in alarm features to monitor internal and external faults.

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

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    | 6kW Max                         |
| • Temperature Range     | -10 to 10°C                     |
| • Accuracy              | 1°C                             |
| • Soft Start Duration   | 1 second                        |
| • Terminals             | 2.5mm <sup>2</sup> Rising Clamp |
| • Operating Temperature | -20° to 40°C                    |
| • 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: 1838709

ENVIROSTAT FP6E

