



# Envirostat FP4E from United Automation

The Electronic Thermostat for Frost Protection

United Automation Ltd

- **Temperature Ranges**  
-10 to +10°C
- **16 Amps Current Capacity**
- **Soft Start**
- **Suitable for 230VAC**
- **Includes Integrated 2 Metre Sensor**
- **IP65 Rating**



The Envirostat FP4E 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 FP4E can also be used in temperature maintenance systems where there is a requirement to maintain a fluid at a desired temperature.

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 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 Function**
- **Built in Sensor**
- **16A Switching Capacity**
- **IP65**
- **1°C accuracy**

- 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 to IP65 rating
- Supplied with 2 Metre Flexible sensor for ease of installation
- The Envirostat is a cost effective solution to a potentially expensive failure.

## Benefits

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

Technology when you need it most

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

Order Code 1838707

#### 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)

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## The Electronic Thermostat for Frost Protection



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 FP4E is the base model, 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.

A hysteresis of 1 degree Celsius is used to ensure the output only switches back on when the ambient temperature falls 1 degree below the set point temperature.



## Technical Specification

• Supply Voltage	230 VAC +/- 10%
• Supply Frequency	50Hz
• Switching Capacity	4kW 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 +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

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ENVIROSTAT FP4E

