

Hausmate External Sensor Unit data sheet

Description.

The External Sensor Unit (ESU) is an input unit for the Hausmate home automation system. It houses sensors in a wall mounted weatherproof plastic box and transmits their signals back to a Zone Gateway (ZG) for digitising and sending back to the Hausmate controller. The ESU has two RJ45 sockets for CAT5/CAT6 cable, one to connect to a Zone Gateway (ZG) and another for auxiliary sensors which may be located near to the ESU, e.g. external PIR, door open switch.

As standard the SU houses the following sensors - temperature sensor, ambient light level and humidity. Optionally 1 or 2 remote sensors may be connected to the ESU e.g. remote humidity, remote temperature, door open, window open external PIR.

Connections

The SU has 2 connectors -

ZG socket - for connecting back to a ZG - this supplies the SU with its power and relays back its sensor readings. This is a RJ45 socket.

AUX socket - for connecting locally located remote sensors. This is a RJ45 socket.

Sensor properties

Temperature - -10C to +80C, $\pm 0.7C$

Ambient light - 0-100% relative output

Humidity - 0% to 59% $\pm 5\%RH$, 60 to 100% $\pm 8\%RH$

Physical

Dimensions: 100mmx130x65mm (WxHxD)

Storage: -10 to 60C, 10 - 95%RH non-condensing

Usage: -10 to 60C, 10 - 95%RH non-condensing