

Control commands issued by the Mayflower Central Management System (CMS) are propagated from the Sub Master, which acts as the wireless gateway between the Back Office System and the Nodes.

The Sub Master communicates with the Back Office System via secure GPRS/3G links.

Up to 500 Mayflower Nodes can be connected to a single Sub Master using a wireless mesh open-protocol called Zigbee®.



Power Supply

Voltage: 230V 50Hz
Power consumption: <4W
Supply voltage tolerance: +10% to -6%
Voltage surge protection: 2KV
Over current protection required: 10A BS88 or equivalent

Enclosure

IP67
UV stable
Flame retardant
Compatible with Mayflower S6000 socket

Measurement

Energy meter microchip
Accuracy: +/- 1%
Voltage span: 200V to 260V
Current span: 50mA to 4A
Wattage span: 1W to 1000W

Microcontroller

Flash programmable CPU
Brown out protection
Watch-dog timer protection
Run time clock plus 48hr supply protection

Back Office Communications

GPRS/3G (multi network provider enabled)
Network security: Secure Socket Layer (SSL)
Private Access Name Point (APN)

Node Communication

Zigbee IEEE 802.15.4
Licence free
Multi-channel
Dynamically configured mesh networking
Self-healing capability
Range: 200m

Ballast Communication Protocols

DALI (Digital Addressable Lighting Interface)
0 to 10V (analogue)

Radio Transceiver

Frequency: 2405-2480MHz
Modulation: O-QPSK
Output power: <10 dBm
Temperature: -20°C to +65°C
Approvals: ETSI EN300-328;
EMC as per EN-301-489-1/17; EN60950

Patent Number

GB23272160

Product Code

SMII/DALI
SMII/0-10V

Switching

Energy efficient latching relay
Relay rating: 16A, 250V high in-rush

Switching Control

Photo sensors x2
Astral Clock
Switching actions (7 day programme) x5

Elxon Charge Code

9800040000100

