External Node

mayflower
SMART CONTROL

An external Mayflower Node is installed on to a lantern to control the on/off function and the light level of the lamp. It is installed utilising the Mayflower S6000 Socket.

The Node receives lamp control commands from the Mayflower Sub Master.

The Node monitors and records measurement data and can alert the user to potential fault issues, such as a change in lamp status.

Power Supply
Voltage: 230V 50Hz
Power consumption: <1W
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

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

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

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

Product Code
EXII/DALI
EXII/0-10V

Elexon Charge Code
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