Data Sheets – MKIV Sub Master

ENERVEO

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 2G/3G/4G LTE CAT 4 links. Up to 500 Mayflower Nodes can be connected to a single Sub Master using a wireless mesh open-communication protocol called ZigBee©.

Product Code

SMIV/DALI - S6000/ANSI
SMIV/0-10V - S6000/ANSI

Switching

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

Switching Control & Sensors

Photo sensors x 3 & supports Astral clock & switching actions (7-day programmer) x 5
Vibration sensors
WIFI
Bluetooth
LoRaWAN Gateway variant available

Elexon Charge Code

9800003004100 9800003005100
9800003006100 9800004002100

Switching

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

Power Supply

Voltage: 230V 50Hz
Power consumption: <4W Supply
Voltage surge protection: 2KV
Over current protection required:
10A BS88 or equivalent

Enclosure

IP67
UV stable Flame retardant
Compatible with S6000 socket or ANSI Standard C136.41

Measurement

Energy meter microchip
Accuracy: +/-1%
Voltage span: 200 to 265 VAC, 50/60Hz
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 Communication

GPRS 2G/3G/4G LTE CAT 4 links
Multi network provider enabled
Network security: Secure Socket Layer (SSL)

Node Communication

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

Ballast Communication Protocols

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

Patent Number

GM23272160

Radio Transceiver

Frequency: 2405-2480MHz
Modulation: O-QPSK
Output power: <10 dBm