

Data Sheets – External Node

ENERVEO

An external Mayflower node is installed onto a luminaire to control the on/off/dim function and reports back energy consumption information. It is installed using either the Mayflower S6000 socket or an ANSI Standard C136.41 compliant dimming receptacle.

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.

Product Code

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

Elexon Charge Code

9800010010100

Power Supply

Voltage: 230V 50Hz
Power consumption: <1W
Supply voltage tolerance: +10% to -6%
Voltage surge protection: 2KV
Over current protection required: 10ABS88 or equivalent

Enclosure

IP67
UV stable
Flame retardant
Compatible with Mayflower
Electrical and mechanical inter-connection;
S6000 socket or ANSI Standard C136.41

Measurement

Energy meter microchip controls up to four electronic drivers in one luminaire package
Accuracy: +/-1%
Voltage span: 90 to 265 VAC, 50/60Hz
Current rating: 4A maximum

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: up to 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: -30degC to +70degC

Approvals

UK/EU Approvals
EN55015:2006 + A1 + A2
EN61547:2009
EN 301 489-1:2011
FCC 47 CFR Part 15 Class A
FCC Part 15 Subpart C, 15.247
EN 300 328
IEC 61347-2-11:2011
IEC 61347-1:2007 + A2:2012
IEC 61010 1:2010
ETSI EN 019-2-4: V2.2.2



AUS/NZ Approvals
AS/NZS 61010.1:2003
AS/NZS 4268:2012+A1:2013

