SELC Internal CMS Module

Secure, Proven, Two-Way Lighting Control For Any Deployment

The **SELC Internal CMS** luminaire module with embedded Silver Spring communications provides reliable, secure, two-way control and monitoring for outdoor lights. Control and visibility allow for longer-life luminaires, rapid repair, accurate energy monitoring and operations reporting. The Internal CMS module is a perfect choice where luminaire design or other considerations precludes external mounting CMS node.

SELC **Internal CMS Module**

GUARANTEED FOR 5* YEARS

Silver Spring NETWORKS

Key benefits of the **Internal CMS® Module**

- Proven SELC quality and reliability with over 30 years of lighting control experience
- Proven Silver Spring networking technology - Over 17 million connected devices
- Up to 65 % energy savings when deployed in conjunction with LED lights
- Up to 40 % operational savings through control and monitoring
- Robust multilayer security with end-to-end encryption and full PKI (X.509) infrastructure
- Redundant, auto-healing, auto-configuring network using open standards such as IPv6 and IEEE 802.15.4g
- Over-the-air configuration and firmware upgrades
- Economic scalability from small pilots to metropolitan or country-wide deployments
- Energy metrology at 1 % accuracy, with per day, per hour, or per minute records and robust utility billing integration

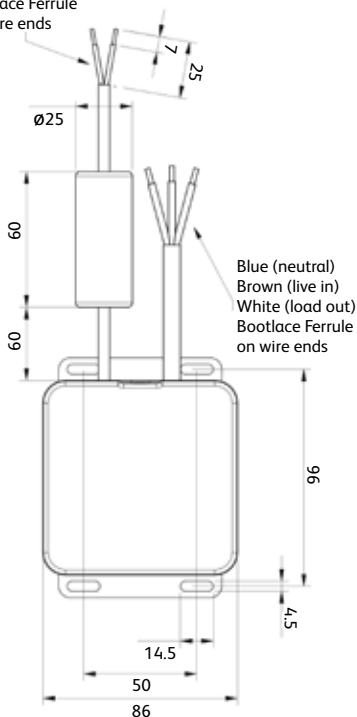## www.selclighting.com

SELC
Power Behind Light

SELC Internal CMS Module

The **SELC external and internal modules** with integrated Silver Spring communications together with the advanced Streetlight.Vision CMS front end software provide the best-in-breed solution for efficient luminaire operation. The robust network capabilities and use of open standards such as IPv6 allow the network to support additional smart city applications such as traffic-light control, electricity/gas/water metering, parking automation and other networked sensors for enhanced living.

The Silver Spring solution includes multi-layer security policy enforcement and monitoring with end-to-end encryption (AES-128/256) and access control to ensure protection of critical infrastructure and data. Deployment options include full product licensing or CMS as a service.

Grey (dim. -)
Purple (dim. +)
Bootlace Ferrule
on wire ends

Ø25

7
25

60

60

Blue (neutral)
Brown (live in)
White (load out)
Bootlace Ferrule
on wire ends

96

4.5

14.5

50

86

Technical Specifications

Metering Accuracy	2 % VRMS, IRMS, 1 % Watts.
Metering Range	105 – 305V (50/60Hz) : 8A RMS
Housing Material	Polycarbonate
Enclosure Sealing	IP 65
Dimensions	Length: 106mm Height: 60mm Width: 86mm Weight : 295g
Guarantee	5 years*
Rated Load	1800VA 3 x 400W
Maximum Load Current	10 Amps
Operating Temperature Range	-40˚C to +70˚C (-40˚F to +158˚F)
Circuit Power Consumption	<2Watts Avg Power @120 VAC
Manufacturing Standard	EN ISO 9001:2008
Photo Control designed to satisfy the following standards	Applicable parts of BS5972 EMC EN55015, EN61547 EN61000-3-2,EN61000-3-3 UL773 ,CSA C22.2
Operating Voltage	105 – 305VAC (50/60Hz)
Compliance	RoHS , FCC, CE
Options for controlling LED driver	DALI or 0-10VDC Non Isolated, Isolation available
Silver Spring Networking Specification	Powerful 1-watt radio, Frequency-Hopping Spread Spectrum up to 300kb/s mesh networking Automatic data routing with self-configuration, auto-healing & redundant uplinks IPv6 transport Full application & link-layer security with full PKI, AES-128 and -256, and embedded firewall

ILP LIGHTING

HEA Highway Electrical Association

QUALITY NSAI Certified

Silver Spring NETWORKS

SELC USA

Tel: (919) 723-1046
Email: adixon@selclighting.com

SELC Ireland
Unit E3
Ballycoolin Industrial Estate,
Centrepoint,
Dublin 11
Ireland
T +353 (0)25 48020
Email: info@selc.ie

www.selclighting.com

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