1. PRODUCT OVERVIEW

The **LF-CMSM** is a high-capacity addressable slave unit designed for central monitoring systems in emergency lighting applications. It serves as a power and communication hub, managing up to 250 luminaire devices across four dedicated loops. Built with a robust metal housing, it ensures reliable distribution and monitoring of emergency equipment within large-scale building safety networks.

2. TECHNICAL SPECIFICATIONS

Feature	Specification
Product Model	**LF-CMSM**
Load Capacity	Maximum 250 Luminaire Devices
Output Loop Configuration	4 Loops (DC 36V, 3.8A per loop, max 140W per loop)
Mounting Type	Wall Mounting
Operating Temperature	0 to 40 Degrees Celsius
Degree of Protection	IP20 (Dry Location) Suitable for damp locations
PCB Type	FR-4 / 1.6mm

3. ELECTRICAL CHARACTERISTICS

Input Parameters

- **Voltage/Current:** AC 100-120V / 12A or AC 200-240V / 7.5A
- **Frequency:** 50/60Hz

Output Parameters

- **Voltage:** DC 36V
- **Current:** 16.6A
- **Total Power:** 600W

4. COMMUNICATION

Mode	Description
Host Communication	CAN Bus (Wire specification: RVS 2x1.5 Twisted Pair)
Device Communication	Two-wire Non-polar PB Bus (Wire specification: RVS 2x2.5 Twisted Pair)

5. EXTERNAL INTERFACES & INDICATORS

Interfaces

- **AC Interface:** Main power input for slave unit operation.
- **Output Interface (DC 36V):** Combined power and communication output to connected luminaires.
- **Communication Interface (CAN):** Dedicated port for connection to the System Host.

In line with our policy of continuous product improvement LIFECO reserves the right to modify specifications without prior notice.

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Status Indicators

- **Main Power:** Green LED
- **Backup Power:** Green LED
- **Communication:** Green LED
- **Fault Status:** Red LED

6. STRUCTURAL CHARACTERISTICS

- **Shell Material:** Metal
- **Installation:** Wall Mounted

7. CERTIFICATION & COMPLIANCE

- **Standard:** UL 924 Listed
- **ML File No:** E474559

LICHFIELD FIRE & SAFETY EQUIPMENT CO LTD (LIFECO)

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