

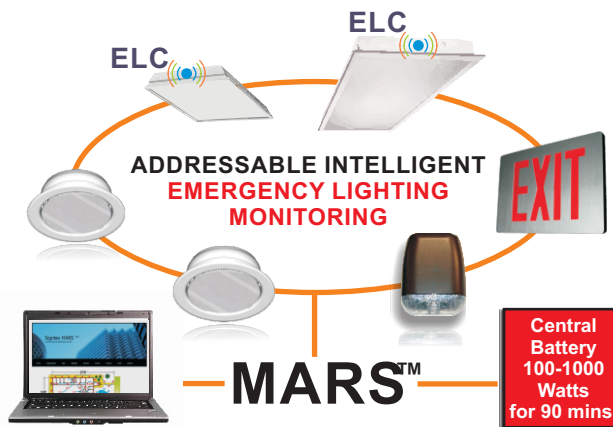
## GENERAL DESCRIPTION

Computer based, self-testing/self diagnostic central battery system operating emergency lighting fixtures and exit signs with all components integrated throughout, allowing precise monitoring of unlimited numbers of systems in multiple locations.

Automated diagnostics with FAULT reporting via email combined with easy access to batteries and long lamp life ensure the lowest possible life cycle costs. Status reports are available on demand from any location via internet.

## CONSTRUCTION & OPERATION

- Automatic monitoring and self-test diagnostic functions supplied as standard, including battery condition, transfer switch, battery charger and emergency fixture load. Optional network includes addressable fixtures.
- Diagnostics system automatically records faults and sends to any assigned address via email.
- LCD display provides full operational data on two-line digital display including battery voltage, charge current, load condition, fault monitor and fault description, panel temperature, charge current, date stamp and other information.
- All diagnostic data is available via internet, with automatic reporting of all central battery systems in multiple buildings.
- The password protected MARS system runs on LINUX software, using SSH (Secure Shell) communication protocol, which is highly resistant to viruses and outside hacks.
- Installations with full network controls allow two-way communication and monitoring via internet of unlimited quantities of central battery panels and fixtures throughout multiple buildings, from any location. Includes multicolor diagnostic status LED and Push to Test switch.
- Optional input from generator allows emergency operation with no startup delay, and batteries remain fully charged from the generator to supply full power if the generator fails.
- Batteries are readily available from commercial distributors and can be removed and replaced in minutes, without ladders, lifts or special tools.



## GENERAL LIGHTING LUMINAIRES WITH EMERGENCY LIGHTING CONTROL (SERIES ELC)

- Converts ANY type of LED fixture to low voltage emergency operation from central batteries.
- Factory or field installable in the Fire and Electrical Enclosure of UL listed fixtures.
- Compatible with all types of dimming and lighting controls.

## MOONLITE LED® EMERGENCY LIGHTING FIXTURES

- A wide range of Moonlite LED® fixture types and models is available, covering many combinations of interior and exterior lighting requirements, from floor level to ceiling heights of 40 ft or higher. See [www.signtexinc.com](http://www.signtexinc.com) for details.
- Guaranteed minimum LED life to 70% output in 50,000 hrs provides lowest life cycle costs over a building lifetime.
- Two or more lamps are supplied in every fixture, driven via parallel circuits with independent current controllers. This design ensures compliance with NEC Code for emergency lighting, ie failure of any single LED shall not cause failure of any other LED.
- LED exit signs have high brightness and uniformity with max power consumption of 2 watts.

## CERTIFICATIONS & CODES

Listed under UL Standard 924, and meets applicable requirements of CSA C22.2 No. 141, NFPA 101, and NEC 700.12 (c).



## FIXTURE SCHEDULE

MODEL	CATALOG NO
APPROVAL	JOB INFORMATION



# Universal Central Battery with Monitoring and Reporting System (MARS™)

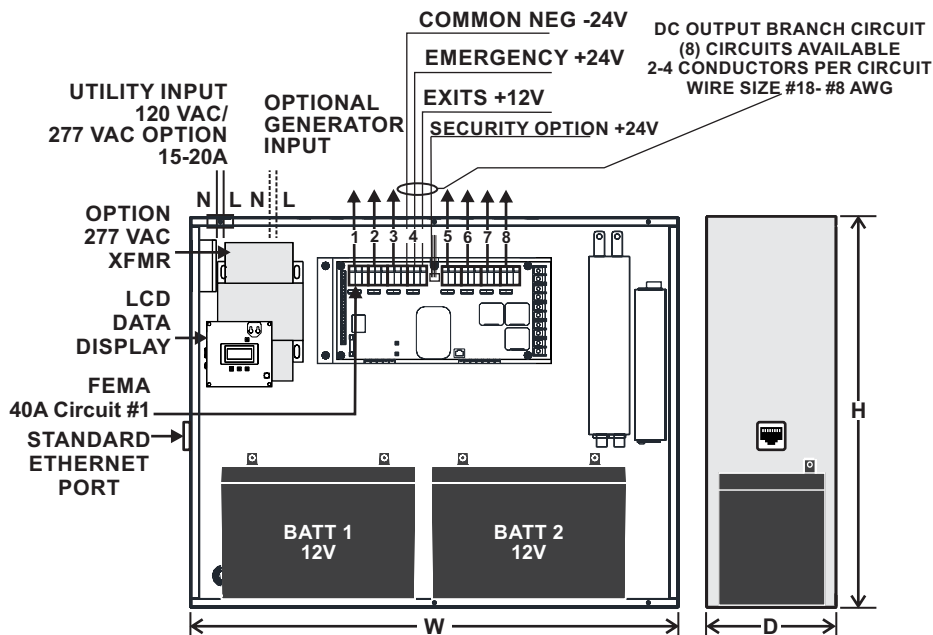
# Series CBM

CBM:02.22.11

## SUGGESTED SPECIFICATIONS:

Install Sigtex Series CBM central battery panels with Monitoring and Reporting System (MARS®) to supply from 100W to 1,000W emergency power at 24 VDC for at least 90 minutes. All systems shall include automatic self-test and self-diagnostic functions as required by NFPA 101 Life Safety Code for computer-based emergency lighting equipment. All systems shall produce automatic test reports transmitted by email to up to six (6) addresses. Emergency lighting fixtures may include Sigtex MOONLITE LED® luminaires, exit signs and general lighting LED Luminaires fitted with Sigtex Emergency Lighting Control (ELC). Optional power for switchable night or security lighting operation shall be available. Utility power input shall be 120VAC or optionally 277VAC, with optional second power input from a generator. All CBM systems shall be supplied with individual IP address, allowing remote monitoring of all test functions including load variation on each emergency branch circuit. Data transfer to the operator shall be via Ethernet local network, a cloud-based server, or other means as specified by the user.

## PANEL LAYOUT & DIMENSIONS:



## OPTIONS

- 277<sup>1</sup>** 277VAC Control Board Input
- NEM4** NEMA 4X rated Weatherproof enclosure
- ASA<sup>2</sup>** Active Shooter Alert
- BH** Battery Heater
- FAN** Cooling Fan
- FEMA<sup>3</sup>** FEMA Fan Operation
- GEN120** Generator Input 120 VAC
- GEN277** Generator Input 277 VAC
- LOK** Key Lock
- REC<sup>4</sup>** Recess Mount
- WIFI** WIFI Adaptor replaces RJ45 ethernet cable
- S (X)** 24VDC Security Lighting Power Supply(X Watts)  
X = 25, 75, 150, 350, 600, 1000 watts

<sup>1</sup>Panel size may vary from table below. Contact factory for dimensions.

<sup>2</sup>Suitable for use in sanitary washdown environments.

<sup>3</sup>1000W models only. 2 Hour run time for ½ HP motor.

<sup>4</sup>Limited sizes available. Contact factory for information.

EPR WATTS	SEC WATTS	PANEL SIZE H" x W" x D"	WEIGHT
			w/ BATTS Lbs.
250	250	24 x 24 x 8	70
500	500	24 x 30 x 8	110
1000	1000	24 x 30 x 8	195

Enclosure sizes shown for 120 VAC input. Contact factory for 277 VAC options.

**EPR** = Power to drive emergency lighting for 90 minutes  
**SECURITY** = Power available for continuous Security or Night lighting.

## WIRING CONNECTIONS

EXIT SIGNS: YELLOW & BLACK  
EMERGENCY FIXTURES:  
RED, BLACK, & BLUE (IF SEC)  
CVLRE: BLACK, YELLOW & RED

## BRANCH CIRCUIT WIRING:

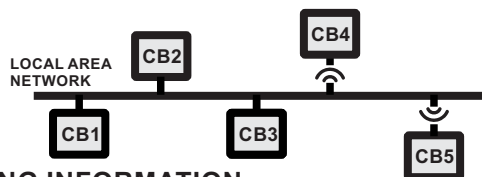
EXITS ONLY: 2 WIRE SYSTEM  
EM LIGHTING ONLY: 2 WIRE SYSTEM  
EXITS & EM LIGHTING: 3 WIRE SYSTEM  
EXITS & EM WITH SECURITY LIGHTING (OPTION S): 4 WIRE SYSTEM

## OPERATING TEMPERATURES

Standard: -20C to +50C  
With BH Option: -40C to +50C

## EXIT LIGHTING

STANDARD: MAX. 40 EXIT SIGNS PER CB



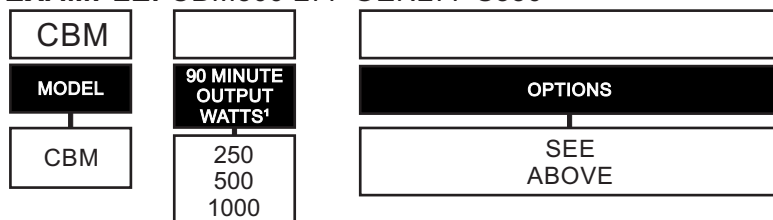
## REMOTE EMERGENCY LIGHTING FIXTURES & EXITS

The following products operate from emergency power supplied from the Central battery System at 24VDC input. Please refer to individual specification sheets for each model for further details:

SERIES	DESCRIPTION
<b>ELC</b>	Emergency Lighting Control
<b>Moonlite LED Exits</b>	LED Emergency Lighting Fixtures Die Cast, Edge Lit, & Universal Thermo- plastic
<b>CVLRE</b>	Coverlite LED Concealed Emergency
<b>LCM</b>	Local Circuit Monitor (LCM) Inputs. Standard CBM models supplied with (4) LCM relays.

## ORDERING INFORMATION

EXAMPLE: CBM500-277-GEN277-S350



<sup>1</sup>Output Watts for Extended Run Time =  
90 Min Output Watts X 90/ Desired Run Time (Mins)

Example:  
Output Watts for 2 Hrs from 500W unit =  
500 x 90/ 120 = 375 Watts

DISTRIBUTOR: