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 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

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CATALOG NO</th>
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<th>APPROVAL</th>
<th>JOB INFORMATION</th>
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Universal Central Battery with Monitoring and Reporting System (MARS™)

OPTIONS

- 277*: 277VAC Control Board Input
- 277*: 277VAC Control Board and SEC/STANDBY Power input (3 wire system)
- 4X*: NEMA 4X rated enclosure
- ASA: Active Shooter Alert
- BH: Battery Heater
- CVR: COVERLITE relay control
- FAN: Cooling Fan
- FEMAX*: FEMA Fan Operation
- GEN120: Generator Input 120 VAC
- GEN277: Generator Input 277 VAC
- LOK: Key Lock
- REC*: Recess Mount
- SEC*: SEC Terminal Bar
- SED: Single Mode Security Lighting (4 wire system)
- WIFI: WIFI Adaptor replaces RJ45 ethernet cable

Panel size may vary from table below. Contact factory for dimensions.

Suitable for use in sanitary washdown environments.

1000W models only. 2 Hour run time for ½ HP motor.

Limited sizes available. Contact factory for information.

4-conductor system. Selected fixtures operate in SEC mode.

PANEL LAYOUT & DIMENSIONS:

BRANCH CIRCUIT WIRING:

EM & SECURITY LIGHTING ONLY:
2 WIRE SYSTEM

EXITS, EM, & DUAL MODE SECURITY LIGHTING:
3 WIRE SYSTEM

EXITS, EM WITH SINGLE MODE SECURITY LIGHTING (OPTION SED)
4 WIRE SYSTEM

REMOTE EMERGENCY LIGHTING FIXTURES, EXITS & EMERGENCY LIGHTING CONTROLS:
FOR CONNECTION TO CENTRAL BATTERY SYSTEMS

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:

- Description
- SERIES

Emergency Lighting Control
ELCP1, ELCP2, ELCP3, ELCP4

Moonlite LED
Emergency Lighting Fixtures
MAE, MFP, MHE, MHW, MLD, MLD2, MLS, MLDW, MLW, MOE, MOP, MRD, MRS, MUE

Exits
RPR, CRR, CRS, BLD, BLW

Covelette
Concealed Emergency
CVLRE

ORDERING INFORMATION

EXAMPLE: CBM500-277-GEN277-SED

CBM
MODEL

CBM
90 MINUTE OUTPUT WATTS

250
500
1000

OPTIONS
SEE ABOVE

DISTRIBUTOR:

Signtex Inc
Lighting
220 VFW Avenue, Grasonville, MD 21638
TEL: (410) 827-8300  FAX: (410) 827-8866
sales@signtexinc.com  www.signtexinc.com