

The Champion Emergency Extreme is the ideal solution for any harsh or hazardous environment with its durable, corrosion-resistant, NEMA 4X, fiberglass housing and high-impact weatherproof emergency lamps. The CP-EMX is purpose built to withstand hazardous environments such as petrochemical, oil and gas production and waste water treatment plants. The added durability of the fiberglass housing combined with the optional tamperproof hardware also makes this emergency unit ideal for any public area subject to vandalism.

**FEATURES**

- Hazardous Location exit/combo rated for: Class I Division 2, Groups A, B, C & D – T2B area classification
- Suitable for Class 1, Zone 2, IIA, IIB & IIC, T1 & T2 area classifications
- Durable fiberglass NEMA 4X rated housing with integrated stainless steel mounting feet
- Corrosion-resistant and vandal-resistant
- Maintenance-free lead calcium or NiCad battery
- Fully adjustable, weatherproof, PAR36 style high-impact thermoplastic lamps standard with 9 Watt tungsten lamp
- Stainless steel breather to provide safe and effective unit ventilation
- Remote lamp loads are connected to the emergency power supply with sturdy terminal connectors
- CSA listed to 90 minutes for emergency with a 24 hour re-charge time
- Optional Guardian Self-test/Self-diagnostics (G2) available
- 120/277VAC, 60Hz input standard
- Standard finish: Gray housing

Model: \_\_\_\_\_ Date: \_\_\_\_\_  
 Accessories: \_\_\_\_\_  
 Job Name: \_\_\_\_\_ Type: \_\_\_\_\_



**WARRANTY**

Any component that fails due to a manufacturer's defect is guaranteed for three years with a separate five year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or instances of uncontrollable natural forces. See the full Exitronix warranty document for detailed information.

**ORDERING INFORMATION Example: CP-EMX-6-60-J0609-2-G2**

| Series | Voltage                     | Wattage                       |                      | Lamps                         | Lamp Qty     | Options (Factory Installed)            |
|--------|-----------------------------|-------------------------------|----------------------|-------------------------------|--------------|--|
| CP-EMX | 6 = 6 Volt Sealed Calcium   | <b>6 Volt Sealed Calcium</b>  | <b>6 Volt NiCad</b>  | <b>6 Volt Tungsten PAR36</b>  | 0 = No Lamps | A = Ammeter                            |
|        | 6N = 6 Volt NiCad           | 36 = 36 Watts                 | 42 = 42 Watts        | J0609 = 6 Volt, 9 Watt        | 1 = 1 Lamp   | A1 <sup>1</sup> = Fire Alarm Interface |
|        | 12 = 12 Volt Sealed Calcium | 60 = 60 Watts                 | 54 = 54 Watts        | J0618 = 6 Volt, 18 Watt       | 2 = 2 Lamps  | G2 = Self-test/Self-diagnostics        |
|        | 12N = 12 Volt NiCad         | 72 = 72 Watts                 | 90 = 90 Watts        | <b>6 Volt Halogen PAR36</b>   | 3 = 3 Lamps  | SMH = Side Mounted Heads               |
|        |                             | 100 = 100 Watts               | <b>12 Volt NiCad</b> | J06H08 = 6 Volt, 8 Watt       | 4 = 4 Lamps  | TA <sup>2</sup> = 120VAC Time Delay    |
|        |                             | 120 = 120 Watts               | 42 = 42 Watts        | <b>12 Volt Tungsten PAR36</b> |              | TB <sup>2</sup> = 277VAC Time Delay    |
|        |                             | <b>12 Volt Sealed Calcium</b> | 90 = 90 Watts        | J1209 = 12 Volt, 9 Watt       |              | TRH = #8 Tamper-Resistant Hdwr         |
|        |                             | 36 = 36 Watts                 | 130 = 130 Watts      | J1218 = 12 Volt, 18 Watt      |              | V = Voltmeter                          |
|        |                             | 60 = 60 Watts                 |                      | <b>12 Volt Halogen PAR36</b>  |              | WG = Wire Guard                        |
|        |                             | 120 = 120 Watts               |                      | J12H08 = 12 Volt, 8 Watt      |              |  |
|        |                             | 140 = 140 Watts               |                      |                               |              |  |

Notes:

<sup>1</sup> Specify type; open/closed dry contact

<sup>2</sup> Specify 5, 10, or 20 mins (10 min standard)

## CONSTRUCTION

The Champion Emergency Extreme is constructed from durable, corrosion-resistant fiberglass. The NEMA 4X rated housing is fully gasketed for harsh and hazardous locations. The Champion EMX features a stainless steel breather valve that provides efficient ventilation. The front access panel/door is hinged to allow for trouble-free installation and maintenance. The CP-EMX has fully adjustable top mounted, weatherproof PAR36 style emergency lamps color matched to the neutral gray housing.

## EMERGENCY LAMPS

Standard, fully weatherproof top mounted lamp assembly contains two fully adjustable, high-intensity PAR36 lamps – standard with a 9 Watt tungsten lamp. Heads are constructed of high-impact thermoplastic in a gray finish. The emergency head features a locking collar in order to securely hold the lens in place and facilitates quick relamping. Remote lamp loads are connected to the emergency power supply with safe and sturdy terminal connectors.

## ELECTRICAL

### Input

Dual-voltage input 120/277VAC @ 60Hz.

### Sealed Lead Calcium Battery

Exitronix sealed lead batteries are maintenance-free and perform optimally in temperatures ranging from 10°C to 40°C (50°F to 104°F).

### Nickel Cadmium Battery - NiCad

Exitronix nickel cadmium batteries are maintenance-free which offer high discharge rates and continue to perform in a vast temperature range from 10°C to 40°C (50°F to 104°F).

### Emergency

The Champion EMX will operate for a minimum of 90 minutes during a loss of power with a 48 hour maximum recharge time for the battery.

### Brownout Circuit

The brownout circuit monitors the flow of AC current to the unit and triggers the emergency lighting system once a set reduction of AC power occurs. This dip in the voltage will cause many fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

### Low Voltage Disconnect

When the battery's terminal voltage falls below predetermined levels, the low voltage (LV) circuit disconnects the emergency lighting load. The disconnect remains in effect until normal power is restored, preventing deep battery discharge and improving the life of the battery. The LV disconnect will also automatically reconnect the load circuit once the battery voltage returns to a normal value after charging.

### Test Button

Our easily located test button allows for manual verification of proper operation of the transfer circuit and emergency lamps.

## INSTALLATION

Internally housed components and battery eliminate the risk of damage during installation. Four stainless steel mounting feet ensure a safe, durable surface wall mount installation.

### Class I Division 2 (Standard)

A location (1) in which volatile flammable liquids or flammable gases are handled, processed, or used, but in which the liquids, vapors or gases will normally be confined within closed containers or closed systems from which they can escape only in case of accidental rupture or breakdown of such containers or system, or in case of abnormal operation of equipment; or (2) in which ignitable concentrations of gases or vapors are normally prevented by positive mechanical ventilation and which might become hazardous through failure or abnormal operation of the ventilation equipment; or (3) that is adjacent to a Class I Division 1 location and to which ignitable concentration of gases or vapors might occasionally be communicated unless such communication is prevented by adequate positive pressure ventilation from a source of clean air and effective safeguards against ventilation failure are provided.

### Class I and Class II Groups

Groups A, B, C & D applications are atmospheres typically containing acetylene, hydrogen, manufactured gas, diethyl ether, ethylene, cyclopropane, gasoline, hexane, butane, naphtha, propane, acetone, toluene, and isoprene.

## OPTIONS

### Guardian Self-test/Self-diagnostics (Option: G2)

The Guardian circuit continuously monitors the operating condition of the AC power, battery supply voltage, emergency lamp continuity and charging circuit. The purpose of this option is to provide visual signaling in response to a fault at the EXIT sign battery and/or battery charger. If a failure is detected, visual status will occur immediately via the CHARGER LED and/or the BATTERY FAULT LED. The LEDs will stay illuminated until the fault is corrected.

The Guardian circuit also monitors the transfer circuit as well as performing automatic code compliant testing. The Guardian circuit will perform a five minute discharge and self-test monthly. Every six months, two 90 minute discharge tests are performed 24 hours apart. This tests both the battery capacity and recharge capability. The status of the Champion High Wattage Emergency Unit is communicated clearly with a single, multi-color LED indicator.

### Time Delay (Option: TA or TB)

The purpose of this feature is to allow additional time for "normally on" fixtures to return to full brightness prior to extinguishing the supplemental light from the emergency fixtures. The time delay option is available in a 5, 10, or 20 minute delay (specify when ordering, i.e. TA5)

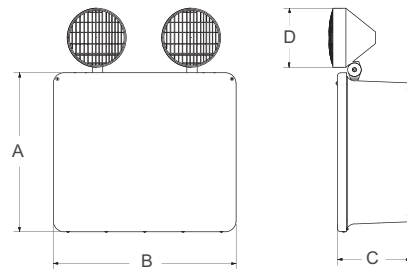
### Tamper-Resistant Hardware (Option: TRH)

Tamper-resistant hardware adds an additional layer of protection to the unit, preventing unwanted access to the interior of the unit or removal of the faceplates.

## CONFORMANCE TO CODES & STANDARDS

The Champion EMX is CSA Listed and meets or exceeds the following: UL 924, CSA C860, NEC requirements, and NFPA 101. THE CP-EMX is in full compliance with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions.

## DIMENSIONS



| Series | A     | B     | C    | D    |
|--------|-------|-------|------|------|
| CP-EMX | 13.5" | 15.5" | 6.3" | 5.5" |