

# CHLORIDE

by 

## Exit/Emergency

6M/2M series

Thermoplastic emergency unit



Project:	
Location:	
Cat.No:	
Type:	
Lamps:	Qty:
Notes:	

### Example: 6M25WJ62ICT

Series/Battery	Housing Color	Lamp Heads	# of Heads	Model Designator	Options <sup>3</sup>
6 VDC, Lead Calcium 6M12 <sup>2</sup> - 12 W 6M25 - 25 W 6M36 <sup>1</sup> - 36 W 6M50 - 50 W	W - White B - Black	6 VDC Tungsten J6 - 5.4 W J7 - 7 W J9 - 9 W	Blank - No Lamp Heads 1 - One Lamp Head 2 - Two Lamp Heads 3 - Three Lamp Heads	Blank - Standard Non-Diagnostic Unit IC - Intelli-Charge Diagnostics	A - Ammeter <sup>3</sup> BD - Battery Disconnect Switch <sup>3</sup> DL - Damp Location Listed <sup>3</sup> EX - Special Input Transformer (specify voltage & frequency) <sup>4</sup> F1 - 120 VAC Input Fuse <sup>3</sup> F2 - 277 VAC Input Fuse <sup>3</sup> P1 - 120 VAC Power Switch <sup>3</sup> P2 - 277 VAC Power Switch <sup>3</sup> T - Self-Testing Diagnostics <sup>3</sup> TA - Audible Self-Testing Diagnostics <sup>3</sup> TD - Time Delay, 15 Minutes <sup>3</sup> V - Voltmeter <sup>3</sup>
12 VDC, Lead Calcium 2M25 - 25 W 2M36 <sup>2</sup> - 36 W 2M50 - 50 W					
12 VDC, Nickel Cadmium 2N25 - 25 W 2N50 - 50 W		12 VDC Tungsten J29 - 9 W J212 - 12 W J218 - 18 W			

\*Optional lamp heads available.

### Accessories<sup>5</sup> (order separately)

ICIR - Intelli-Charge Infra-Red Remote  
PCSS1 - Polycarbonate Vandal Shield  
WG5 - Wire Guard

### Footnotes

- <sup>1</sup> Not available with DL option.
- <sup>2</sup> Only available with non-diagnostic models.
- <sup>3</sup> Only available with Intelli-Charge models.
- <sup>4</sup> Some option combinations may impact UL listing, consult factory for specifics.
- <sup>5</sup> Consult Signify to confirm whether specific accessories are BAA-compliant.

### codes and standards

- UL listed to Standard 924
- NFPA 70 (National Electric Code)
- NFPA 101 (Life Safety Code)
- IBC, BOCA, and OSHA illumination standard
- Optional damp location listing available (IC models only) 0°C to 40°C

### construction

- Constructed of impact-resistant, UL 94 V-0, 5 VA thermoplastic. The cover assembly closes and remains secure via a snap fit design and offers tool free access to the housing interior.

### installation

- Mounting is accomplished by means of the universal j-box mounting pattern or the keyhole knockouts provided on the rear of the housing.

### non-diagnostic electronics

- Standard electronics systems include a 120/277 VAC dual tap input transformer. Standard electronic performance features include AC line latch, brownout detection, and low-voltage battery disconnect circuitry to maximize battery service life.

### diagnostic electronics (IC models)

- 120/277 VAC dual voltage input with surge protection is standard on all models.
- All models feature the Intelli-Charge circuit where the charging system is microprocessor driven with software embedded diagnostic routine and temperature compensation.
- All models include brownout detection, AC lockout, low voltage disconnect, AC power indicator, charge status indicator, audible user-interface controls, visual LED system fault indicator, and tactile push-to-test switch.
- Additional equipment safety features include reverse battery polarity detection and protection, and reverse utility power detection and protection.
- All models include an on-board IR receiver for use with the optional hand-held remote (ICIR).



# 6M/2M Thermoplastic emergency unit

12W-50W

## self-testing electronics (optional)

- The diagnostic/charging platform with optional self-testing mode automatically runs a one-minute self-test every 30 days and a 30-minute test on the sixth and twelfth month in accordance with NFPA 101.
- A one minute or 90 minute test may be initiated via the push to test switch on the unit or by activating the appropriate test command on the optional IR test device.
- Power consumption
  - Non-Diagnostic 6 V Lead Calcium: 0.115 A (120 VAC), 0.050 A (277 VAC)
  - Non-Diagnostic 6 V NiCad: 0.160 A (120 VAC), 0.071 A (277 VAC)
  - Non-Diagnostic 12 V Lead Calcium: 0.126 A (120 VAC), 0.055 A (277 VAC)
  - Non-Diagnostic 12 V NiCad: 0.116 A (120 VAC), 0.051 A (277 VAC)
  - Intelli-Charge 6 V Lead Calcium: 0.113 A (120 VAC), 0.055 A (277 VAC)
  - Intelli-Charge 6 V NiCad: 0.157 A (120 VAC), 0.065 A (277 VAC)
  - Intelli-Charge 12 V Lead Calcium: 0.331 A (120 VAC), 0.146 A (277 VAC)
  - Intelli-Charge 12 V NiCad: 0.200 A (120 VAC), 0.094 A (277 VAC)
- Standard Location: 65°F (19°C) to 85°F (30°C).
- Damp Location: 32°F (0°C) to 104°F (40°C).

## options (IC models only)

- A – The ammeter option includes an analog meter electrically connected to the charging circuit for visual reference and indication of the current level being delivered to the battery.
- BD – The battery disconnect switch allows for the electrical switching between the battery and the connected load (lamp heads) whether they be directly mounted to the equipment or installed as remote lamp heads. The switch will be located internally to the equipment and is not made accessible other to those who perform maintenance on the equipment.
- DL – Damp location listed products include various levels of corrosion protection on printed circuit board assemblies and other metallic parts. Environmental testing throughout a range of ambient temperature and 88% relative humidity.
- EX – The special input transformer option allows for input voltage and frequencies beyond the standard 120/277 VAC, 60 Hz input.
- F1 – The AC fuse option includes an in-line fuse on the primary winding of the input transformer for additional electronic protection against utility surges or spikes limited to 120 VAC circuits.
- F2 – The AC fuse option includes an in-line fuse on the primary winding of the input transformer for additional electronic protection against utility surges or spikes limited to 277 VAC circuits.
- P1 – The AC power switch option includes a toggle switch electrically connected to the primary of the input transformer limited to 120 VAC circuits. This option allows for opening the utility feed to the equipment for servicing or maintenance.
- P2 – The AC power switch option includes a toggle switch electrically connected to the primary of the input transformer limited to 277 VAC circuits. This option allows for opening the utility feed to the equipment for servicing or maintenance.
- T – The self-testing option enables a periodic self-test of the equipment where a test routine is established to perform a one-minute test every thirty days with a 30 minute test performed on the sixth and twelfth month in accordance with NFPA 101. Equipment readiness faults are indicated with a visual LED display.
- TA – The audible self-testing option enables a periodic self-test of the equipment where a test routine is established to perform a one minute test every thirty days with a 30 minute test performed on the sixth and twelfth month in accordance with NFPA 101. Equipment readiness faults are indicated with a visual LED display and an audible alarm.
- TD – The time delay circuit causes the emergency lighting equipment to remain under battery power for a period of 15 minutes after the utility power has been restored.
- V – The voltmeter option includes an analog meter electrically connected between the battery and lamp load for visual reference and indication of the battery terminal voltage when the equipment is operating in the emergency mode.

## lamps

- Illumination is accomplished with up to three lamp heads mounted on the top of the unit.
- Most often specified is Chloride's J series rectangular lamp heads that incorporate a high-performance parabolic reflector with a wedge base tungsten lamp allowing maximum spacing between units along a path of egress.

## battery

- Maintenance free sealed lead calcium battery with 5 year life.
- Maintenance free sealed nickel cadmium battery with 10 year life.
- Provides a minimum of 90 minutes emergency illumination.

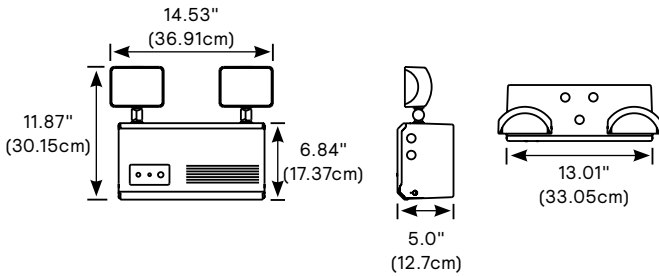
## warranty

- Five full year warranty on electronics and unit (excluding lamps).

# 6M/2M Thermoplastic emergency unit

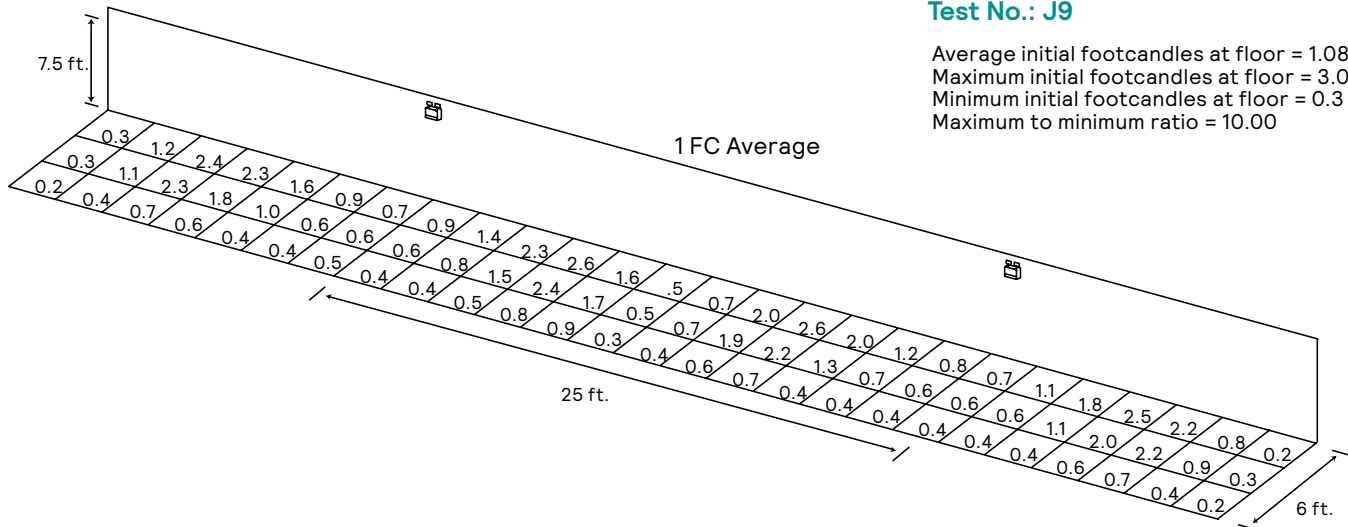
12W-50W

## dimensions



Meets Life Safety Code illumination standard: average of 1.0 FC, no point less than 0.1 FC, max to min ratio of 40:1. Assumes open space with no obstructions, mounting height: 7.5' and reflectances: 80/50/20. Analysis based on independently tested photometrics.

Wall mounted 7.5' AFF, 'J9' 6 V 9 W Tungsten Lamps Represented



## Buy American Act of 1933 (BAA):

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit [www.signify.com/baa](http://www.signify.com/baa) to view a current list of BAA-compliant products to confirm this product's current compliance.



© 2021 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify.

Signify North America Corporation  
200 Franklin Square Drive,  
Somerset, NJ 08873  
Telephone 855-486-2216

Signify Canada Ltd.  
281 Hillmount Road,  
Markham, ON, Canada L6C 2S3  
Telephone 800-668-9008

All trademarks are owned by Signify Holding or their respective owners.