

CHLORIDE

by @ignify

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

*Optional lamp heads available.

Accessories⁵ (order separately)

ICIR – Intelli-Charge Infra-Red Remote
PCS1 – Polycarbonate Vandal Shield
WG5 – Wire Guard

Footnotes

- ¹ Not available with DL option.
² Only available with non-diagnostic models.
³ Only available with Intelli-Charge models.
⁴ Some option combinations may impact UL listing, consult factory for specifics.
⁵ 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.

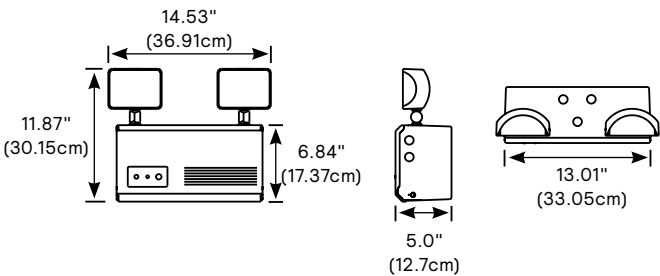
warranty

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

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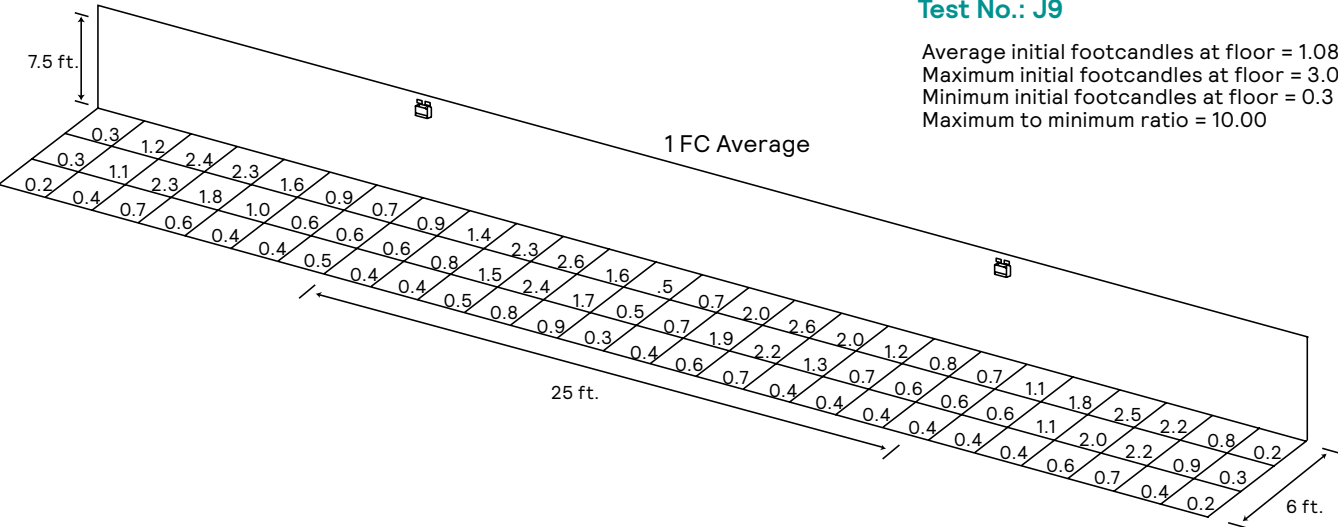
12W-50W

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



Test No.: J9

Average initial footcandles at floor = 1.08
Maximum initial footcandles at floor = 3.0
Minimum initial footcandles at floor = 0.3
Maximum to minimum ratio = 10.00

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