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|---------|--|-------|--|
| Project | | Date | |
| Type | | Notes | |

Ironclad® Correctional Exit Signs

The Ironclad® Correctional fixture provides rugged cast aluminum heavy duty frame suited for Correctional/Detention/Institutional environments which incorporates a durable 1/8" thick polycarbonate security faceplate cover, tamper resistant access screws and where required, a Heavy-Duty mounting canopy.

Construction

- Die cast aluminum housing with a minimum wall thickness of .08", and a 1/8" thick beveled edge polycarbonate security cover over each stencil face
- Polycarbonate face shields provide impact resistance to the stencil face
- Security cover and hinged faceplate is secured and locked with tamper resistant stainless steel screws
- Injection molded internal cavity provides ease of installation and maintenance together with perfectly even legend illumination
- Ceiling or end wall mounting installations are provided with an oversized canopy that enables more secure mounting with fixing points over a larger surface area.
- Wall/Ceiling Canopy mount (field selectable) is attached to sign with (2) die cast 3/8" nipples and lock nuts for conduit entry
- Fine grain brushed aluminum stencil face standard.
- Full size 100' viewing distance field selectable Chevron indicators
- Hidden knock out access points and universal mounting pattern

Electrical

- Maintenance free LED light source with 25+ years life expectancy
- Battery backup models consume just 2.5 watts, .77 power factor
- 4 Hour battery backup runtime with premium long life, high temperature fused nickel cadmium battery pack
- 120 or 277 VAC field selectable input with quick install push-wire connectors

- Circuitry includes - Zero current LVCO, Brownout sensing & Line-Latch
- Self-Diagnostic Battery monitoring on all 'EM' models
- Electronic control circuit applies full wave, low ripple current to each LED thereby optimizing life and light output. A diagnostic self-compensating constant current charger circuit monitors the condition of the battery pack and indicates via a flashing LED when battery needs replacing
- Remote capable to power a remote exit sign only

Illumination

- High intensity LED array provides exceptional energy efficiency with just 1-watt power consumption for both single and double face AC models
- Vivid legend illumination approx. 4 times the minimum UL 924 requirement
- Spectrally matched diffuser for superior visual brightness and uniformity

Certification

- Tested, approved and listed by Underwriters Laboratories to UL 924, meets NFPA 101 Life Safety Code, NFPA 70- NEC, and OSHA requirements
- California Energy Commission (CEC) Title 20 Compliant

Warranty

- 5 Year Limited Warranty

Ordering Guide

| Model | Operation | Letter Color | No. of Faces | Body Color | Mounting |
|-------|--------------------------|--------------|--------------|---------------------------|---|
| CDI | | | | | |
| CDI | AC = AC Only 120/277 VAC | R = Red | 1 = Single | AB = Brushed Face, Blk | 1B = Single Face, Back Mount Only |
| | | | | BB = All Black | CI = Industrial Canopy |
| | | | | WW = All White | RE = Recessing Frame Includes 1/8" Polycarbonate Shield & Tamper Proof Screws |
| | EM = Battery Backup | G = Green | 2 = Double | AA = All Brushed Aluminum | |
| | | | | AW = Brushed Face, Wht | |

| Option 1 | Option 2 | Option 3 | Option 4 |
|--|---|---|--------------------|
| 00 = None | 00 = None | 000 = None | 00 = None |
| SD = Self-Test / Diagnostic (<i>EM Models</i>) | F = Flash in Emergency Mode (<i>EM models</i>) or continuous Flash in AC models FA = Flash in AC & Emergency mode on 12-24V (<i>AC or DC</i>) normally off Fire Alarm signal (<i>For AC & EM models</i>) | DK1 = Two Circuit Input - 120V (<i>AC models</i>) | DL = Damp Location |
| IR = Infrared Remote Testing Receiver | FB = FA option including Buzzer FZ = F option including Buzzer | DK2 = Two Circuit Input - 277V (<i>AC models</i>) | |

Dimensional Drawing

