

Model Number: Accessories: Job:	Approvals: Type:
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FEATURES

- Specification-grade exit with an enclosure constructed of precision die-cast aluminum
- 129 LEDs spelling for "EXIT", 7 LEDs for each arrow
- Solid 3/8" thick, vandal-resistant, polycarbonate lens
- Low voltage disconnect eliminates deep discharge
- Brown-out, short circuit and voltage surge protection
- Maintenance-free lead acid battery
- Optional NiCad battery available
- Universal Mounting - Ceiling, back or end mount
- ETL listed 90 minute emergency run time, 24 hour recharge time
- Constant, uniform illumination by long-life, high intensity, red or green LEDs
- Fully-illuminated 6" characters with 3/4" stroke
- Chevron-style, universal arrow knockouts
- Optional Guardian Self-Diagnostics available (G1)
- 120/277V dual primary, 60Hz input
- Standard finishes: Black, white or brushed aluminum
- Complete fixture series meets American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions



The 400D Series is the brightest most visible die-cast sign in the industry in both normal and smoke-filled environments. 400 Series exits are designed to combine both beauty and performance, while providing exceptional brightness and visibility, utilizing direct view LEDs.



WARRANTY

Any component that fails due to manufacturers defect is guaranteed for 25 years with a separate 5 year pro-rated warranty on the battery. The warranty does not cover physical damage, abuse or acts of God. Manufacturer reserves the right to charge for such repairs if deemed necessary.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

ORDERING INFORMATION Example: 402D-WB-BA-G1

Series	Power Source	Finish	Options (Factory Installed)	Accessories ³ (Field Installed)
402D = Red Single Face	LB = AC Only	BL = Black w/ Alum. Face	G1 = Self-Diagnostics	TRHT-8H-10H = Tamper Tool
403D = Red Double Face	WB = With Battery	BB = Black w/ Black Face	DL = LED Down Light	ER1-KIT = 1' Pendant Mount Kit
G402D = Green Single Face	NC = NiCad Battery	WW = White w/ White Face	FL = Flasher	ER2-KIT = 2' Pendant Mount Kit
G403D = Green Double Face		BA = Brushed Alum. w/ Alum. Face	BZ = Audible Alarm	WG-1 = Wire Guard (Back Mount)
			FB = Flasher & Audible Alarm	WG-2 = Wire Guard (End Mount)
			A1 = Fire Alarm Interface w /FL	WG-3 = Wire Guard (Ceiling Mount)
			A2 = Fire Alarm Interface w/ FB	XG-1 = Poly Guard (Back Mount)
			2CI1 ¹ = 2 Circuit Input 120VAC	XG-3 = Poly Guard (Ceiling Mount)
			2CI7 ¹ = 2 Circuit Input 277VAC	
			2CI17 ¹ = Two Circuit Input 120/277VAC	
			FM = Flush Mount Kit	
			MR2 = Remote Twin Unit	
			TF ² = Extended Run Time (120 min)	
			TRH = Tamper Resistant Hardware	

¹ LB only, for use with inverter or generator applications only

² Unit flashes continuously in battery mode

³ Order as separate line item

CONSTRUCTION

The 400D series exit is constructed of specification grade precision cut die-cast aluminum body with soft corners designed for traditional mounting as well as conduit entry and pendant mounting. Clear finish on brushed face prevents fingerprints or other surface impurities. Universal chevron knockouts are concealed and easily removed. All units are supplied with mounting canopy for back, top or end mounting.

Stencil letters are 6" high with 3/4" stroke, with minimum of 100 ft viewing distance rating as required by UL924 standard.

Vandal Lens

The 400D provides a vandal lens standard that offers additional protection to the unit against intentional or unintentional abuse.

Optional custom face plates are available in single face only, black with brushed aluminum face - consult factory for quote.

ILLUMINATION

Illumination of the 400D series is accomplished utilizing 129 high-intensity, long-life LEDs spelling "EXIT" and seven LEDs for each arrow - exceeding UL 924 requirements for brightness and uniformity. Starting at only 4 watts, LEDs provide excellent illumination while maximizing energy efficiency. LEDs are a maintenance-free solution, providing up to 100,000 hours of use without failure.

ELECTRICAL

Input

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

Sealed Nickel Cadmium Battery - NiCad (With Battery Only)

Exitronix sealed nickel cadmium batteries are maintenance-free with a life expectancy of 15 years. Nickel cadmium batteries offer high discharge rates and continue to perform in a vast temperature range from 0-40 degrees C. NiCad technology provides long lasting, safe and reliable performance by utilizing the jelly-roll design and allows a Ni-Cd cell to deliver a much higher maximum current than an equivalent size alternative battery. As a relatively larger area of the electrode is in contact with the, the internal resistance for an equivalent sized NiCad cell is lower which increases the maximum current that can be delivered.

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 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.

Solid-State Transfer

The unit features a solid-state switching transistor which eliminates damaged contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC power and automatically energizes the lamps. Upon restoration of the AC voltage, the emergency lamps will switch off and the charger will automatically recharge the battery.

Overload and Short-Circuit Protection

The solid-state overload monitoring system in the DC circuit disconnects the lamp load from the battery should excessive wattage demands be made and automatically resets when the overload or short-circuit is removed. This overload current protective characteristic eliminates the need for fuses or circuit breakers for the DC load.

Test Button

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

INSTALLATION

Installs in minutes with easy-to-read instructions and detailed diagrams. No special hardware or tools necessary. Internally housed components and battery eliminate the use of a canopy when back mounting single faced exits. Mounting canopy included.

OPTIONS

Made in the USA (Standard)

Many of our products can be produced or transformed to comply with the American Recovery and Reinvestment Act of 2009 (ARRA) requirements and Buy American provisions. The 400 series meet LEVEL 1 compliance as a standard - please call factory for details with questions.

Guardian Self-Diagnostic (Option: G1)

The Guardian circuit continuously monitors the operating condition of the battery charging circuit and battery supply voltage.

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.

Flasher (Option: FL)

When normal power is lost and the emergency unit goes into back up power mode, this unit will flash on and off - providing a highly visual signal as to emergency status.

Audible Alarm (Option: BZ)

When normal power is lost and the emergency unit goes into back up power mode, this unit will buzz - providing a highly audible signal as to emergency status.

Flasher & Audible Alarm (Option: FB)

When normal power is lost and the emergency unit goes into back up power mode, this unit will flash on and off while buzzing - providing a highly visual and audible signal as to emergency status.

Fire Alarm Interface (Option: A1 or A2)

Our fire alarm interface option ties into the building's fire alarm system allowing for exits and emergency units to be triggered prior to loss of power.

A1: Fire alarm interface including Flasher option

A2: Fire alarm interface including Buzzer option

Two-Circuit Operation (Option: 2CI, 2CI-1, 2CI-7)

Two circuit operation features for emergency lighting allows the dual input of power sources for units less battery (AC only).

The purpose of this feature is to provide the compatibility of our emergency units in applications where inverters or alternate back up power sources are utilized.

Flush Mount Kit (Option: FM)

The 400 series is available for flush mount installations where low level or reduced clearance is required. Kit includes flush mount face and all hardware for installation.

Vandal Lens (Option: VL)

Providing a vandal lens to exit fixtures offers additional protection to the unit against intentional or unintentional abuse.

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 face plates.

Remote Twin Unit (Option: MR2)

The remote twin unit option provides a second matching exit designed to utilize the electronics from the base unit. This option is ideal for applications where a standard unit and low level unit are required for the same exit location.

CONFORMANCE TO CODES & STANDARDS

The 400 Series is ETL listed and meets or exceeds the following: UL 924, NEC requirements and NFPA 101.

DIMENSIONS

