

DESCRIPTION

The APXH7 series is a UL924 code compliant polycarbonate LED exit with remote capacity. It will run for a minimum of 90 minutes during a power outage. The series is compatible with the APWR1 and APWR2, 3.6 volt LED remotes. It is available with red or green letters. The APXH7R2 and APXH7G2 will power two LED remote heads while the APXH7R4 and APXH7G4 will power four remote heads. These exits are universal mount (ceiling, wall or end) and are field configurable for single or double face. Two APWR heads create 17 feet of emergency egress coverage while four APWR heads create 34 feet of emergency egress coverage. It is available in white or black finish.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Electrical

- Dual voltage input 120/277 VAC, 60Hz
- Line-Latching
- Solid-State voltage limited charger
- Solid-State switching
- Brownout protection
- Low voltage disconnect
- Overload/Short circuit protection
- Test switch / Power indicator light
- Capable of running two or four additional 3.6V, .78W DC LED remote heads

- Snap-out or snap-in chevron directional indicators have full 3/4" stroke
- Universal exits can be field configured as single face or double face
- Snap-fit canopy with captive mounting screws included with all exits
- Exit can be ceiling, wall, or end mounted
- Universal J-box mounting pattern
- Operating temperature range 10 °C to 40 °C
- Available in white or black finish

Code Compliance

- UL 924 Listed
- UL Damp Location Listed
- Life Safety NFPA 101
- NEC/OSHA
- Most State and Local Codes
- California Energy Code compliant

Lamp Data

- AC LED: Long life LED lamps provide uniform diffused illumination
- DC: LED DC lamps (Brighter in emergency mode)

Warranty

- Five-year warranty
- Seven-year prorated battery warranty

Housing Construction

- All components are injection molded, color stable, high impact thermoplastic material
- Designer white textured finish standard
- Components are of snap-fit construction to facilitate under 5-minute installation
- Reinforcing ribs throughout to provide maximum strength connections

Battery

- Sealed nickel cadmium
- Maintenance free, long life
- Standard recharge time: 24 hrs (max.)



APXH7 SERIES EXITS WITH REMOTE CAPACITY

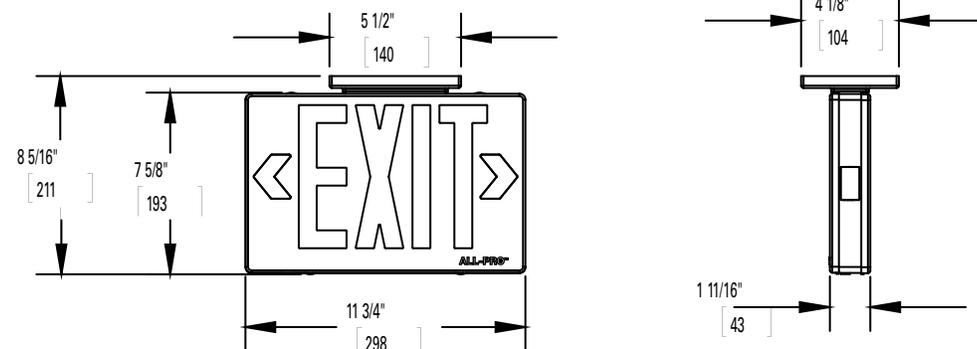
THERMOPLASTIC
SELF POWERED
EXIT SIGN
REMOTE CAPACITY

ENERGY DATA

Maximum power consumption under all charge conditions:

APXH7R2	APXH7R4
Input Power: 120V = 1.31W 277V = 1.68W	Input Power: 120V = 2.34W 277V = 1.62W
Input Current (Max.): 120V = .09A 277V = .09A	Input Current (Max.): 120V = .14A 277V = .10A
Power Factor: 120V = >.12 277V = >.07	Power Factor: 120V = >.14 277V = >.06

APXH7G2	APXH7G4
Input Power: 120V = 1.55W 277V = 1.45W	Input Power: 120V = 2.8W 277V = 2.1W
Input Current (Max.): 120V = .09A 277V = .09A	Input Current (Max.): 120V = .10A 277V = .10A
Power Factor: 120V = >.14 277V = >.06	Power Factor: 120V = >.20 277V = >.07

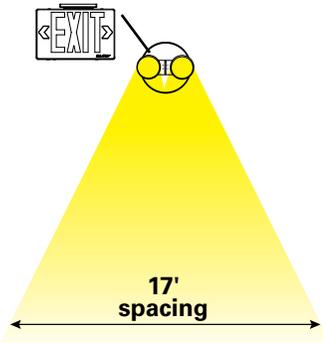


ORDERING INFORMATION

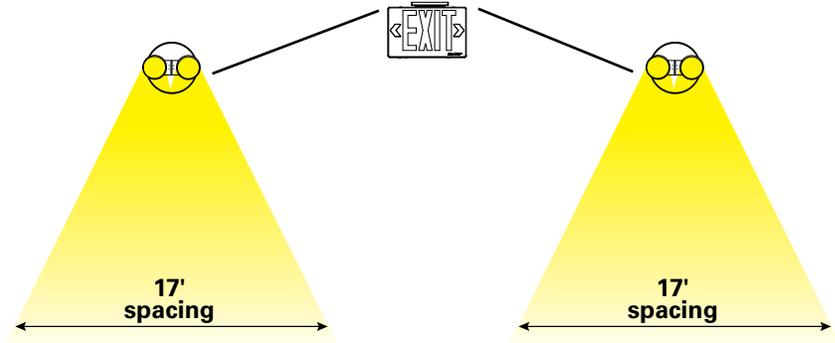
SAMPLE NUMBER: APXH7R2

Series	Face Options	Letter Colors	Remote Heads Powered	Housing Color
APXH7	_ = Universal	R = Red G = Green	2 = two 3.6 V LED heads 4 = four 3.6 V LED heads	_ = White BK = Black

APXH7R2 (REMOTES NOT INCLUDED)



APXH7R4 (REMOTES NOT INCLUDED)



TECHNICAL DATA

Lamps

The APXH7 Series Exits use energy efficient, long life LED's to provide uniform diffuse illumination of the exit face. The low operating costs and zero maintenance requirement makes LED lamps the wisest choice for exit signs today.

Housing Construction

Rugged, durable, injection molded thermoplastic materials are used throughout the APXH7 Series Exits. All structural components are designed with reinforcing ribs to add additional rigidity and to maximize structural integrity. These materials are impact and scratch resistant, and they have been UV stabilized to resist discoloration due to age and ultraviolet radiation. All components are designed to be of snap-fit construction - no mechanical fasteners - to facilitate installation in under 5-minutes. Any components required for installation (wirenuts, wire leads, universal metal J-box bracket, etc.) are all included with each exit. The universal design of the AP Series Exits with Heads enables universal exits to be configured as single face or double face in the field. The AP Series Exits with Heads can be wall, ceiling, or end mounted; a rugged, snap-fit, low profile canopy with captive screws is included with every exit for ceiling and end mounting applications. Housing color available in white or black.

Lens

Lenses for the AP remote capable exits are made from durable impact resistant thermoplastic. All exit faces are designed with full 3/4" stroke snap-out or snap-in chevron directional indicators to insure maximum visibility and compliance with the latest codes.

Line-Latched

All-Pro's line-latched electronic circuitry makes installation easy and economical. A labor efficient AC activated load switch prevents the lamps from turning on during installation to a non-energized AC circuit. Line-latching eliminates the need for a contractor's return to a job site to connect the batteries when the building's main power is turned on.

Solid-State Charger

Supplied with a 120/277 VAC, voltage regulated solid-state charger. Immediately upon restoration of AC current after a power failure, the charger provides a high charge rate. The charge circuit reacts to the condition of the battery and regulates the charging process in order to maintain peak battery capacity and maximize battery life. Solid-state construction recharges the battery following a power failure in accordance with UL 924.

Brownout Circuit

The brownout circuit on All-Pro's exits monitors the flow of AC current to the exit and activates the emergency lighting system when a predetermined reduction of AC power occurs. This dip in voltage will cause most ballasted fixtures to extinguish causing loss of normal lighting even though a total power failure has not occurred.

Solid-State Transfer

The AP Series Exits with remote capacity incorporates solid-state switching which eliminates corroded and pitted contacts or mechanical failures associated with relays. The switching circuit is designed to detect a loss of AC voltage and automatically energizes the lamps using DC power. Upon restoration of AC power, the DC power will be disconnected and the charger will automatically recharge the battery.

Low Voltage Disconnect

When the battery's terminal voltage falls, the low voltage circuitry disconnects the lighting load. The disconnect remains in effect until normal utility power is restored, preventing deep battery discharge.

Test Switch/Power Indicator Light

A test switch located on the bottom of the exit permits the activation of the emergency circuit for a complete operational systems check. The Power Indicator Light provides visual assurance that the AC power is on.

Overload and Short Circuit Protection

The solid-state overload monitoring device 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 feature eliminates the need for fuses or circuit breakers for the DC load.

Sealed Nickel Cadmium Battery

All-Pro Emergency sealed nickel cadmium batteries are maintenance-free with a life expectancy of 10 years. The sealed rechargeable nickel cadmium battery offers high discharge rates and stable performance over a wide range of temperatures. The specially designed resealable vent automatically controls cell pressure, assuring safety and reliability. This battery is best suited for harsh ambient temperatures because the electrolyte is not active in the electrochemical process.

Warranty

All-Pro products are backed by a five-year warranty.