DESCRIPTION

The All Pro Series is the most economical LED combo for general purpose applications. The durable, injection molded, thermoplastic material resists discoloration due to UV radiation and the energy efficient, low maintenance LED's provide bright illumination. All AP series combos offer universal configurations (single and double face) and have universal mounting capability (ceiling, wall, end).

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

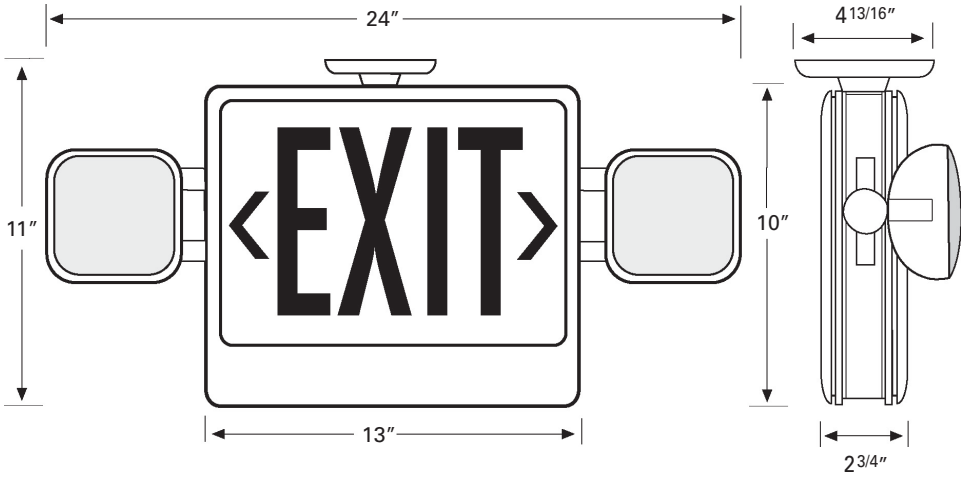
Housing Construction
- All components are injection molded, color stable, high impact thermoplastic material
- Designer white textured finish standard
- Components are of snap-fit construction to facilitate under 5-minute installation
- Reinforcing ribs throughout to provide maximum strength
- Molded-in wireways facilitate internal wire routing and connections
- All components including battery and electronics are located inside the exit housing
- Snap-out or snap-in chevron directional indicators have full 3/4" stroke
- Knockout provided on housing for surface conduit attachment
- 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

Battery
- Sealed Lead Calcium
- Maintenance Free, Long Life
- Standard Recharge Time: 24 hrs (max.)

Code Compliance
- UL 924 Listed
- UL Damp Location Listed
- Life Safety NFPA 101
- cULus Listed
- NEC/OSHA
- Most State and Local Codes

Warranty
- Exit – 1 year
- Battery: 5-Year pro-rata (Lead Calcium)

Lamp Data
- AC LED: Long life LED lamps provide uniform diffused illumination
- DC: LED DC lamps (Brighter in emergency mode)
- Heads DC: 6V, 5.4W incandescent wedge base lamps





AP SERIES EXITS WITH SQUARE HEADS COMBO

THERMOPLASTIC

SELF POWERED

EXIT / EMERGENCY WITH DOUBLE HEADS

LED LAMPS

ENERGY DATA

Maximum power consumption under all charge conditions:

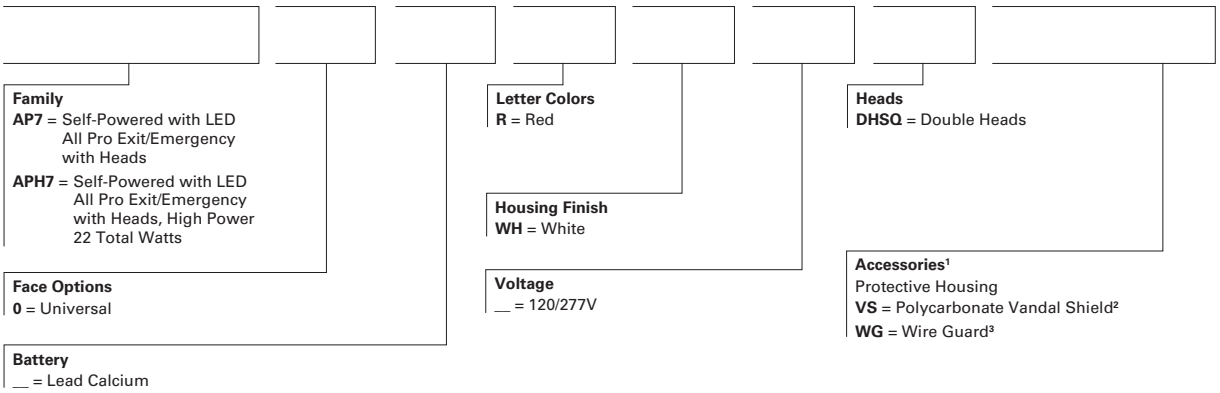
Standby Mode (Fully charged Battery):
Sealed Lead Calcium Battery

LED Exits - Red
Input Power:
120V = 3.4W
277V = 4.9W
Input Current (Max.):
120V = .04A
277V - .02A
Power Factor:
120V = >.9
277V = >.9

Charge Mode (Discharged Battery):
Sealed Lead Calcium Battery
Input Power consumption is increased by approximately 4.2 watts in the charge operating mode for red units and 5.0 watts for green units.

ORDERING INFORMATION

SAMPLE NUMBER: AP70RWHDHSQ



Notes: **1** Order Separately. **2** Choose polycarbonate vandal shield desired from accessories sheet. **3** Choose size of wire guard from accessories sheet.

TECHNICAL DATA

Lamps
The AP Series Exits with Heads use energy efficient, long life LEDs 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. Emergency exit illumination is provided by LED lamps and the heads employ 6V, 5.4W DC incandescent wedge base lamps.

Housing Construction
Rugged, durable, injection molded polycarbonate materials are used throughout the AP Series Exits with Heads. 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 (wire nuts, 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.

Lens
Lenses for the AP Series Exits with Heads 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 ensure 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 Heads 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 side 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 Lead Calcium Battery
The fully sealed, long-life, maintenance free lead calcium battery is ideal for emergency lighting applications. These recombinant cycle batteries typically provide 8 to 10 years of life and may be operated in any position.

Warranty
All Pro products are backed by a firm one year warranty against defects in material and workmanship. Maintenance-free, long life, sealed lead calcium batteries carry a five-year pro-rata warranty.