



Lightalarms



TYPE: _____

CATALOG #: _____

NOTES: _____

Grande Series



Thermoplastic Combination Battery Unit and Exit Sign

The **Grande Combination Series** are designed with aesthetics, ease of installation and performance in mind.

Features

- One housing combines a battery unit and exit sign in a compact and contemporary design
- Durable injection-molded thermoplastic housing with push-to-snap design
- Available in single or double face configurations both with means for ceiling mounting
- Comes with the Grande easy to install canopy and field-selectable snap-in/out chevrons for quick and easy installation
- Exit sign's Long-life LED light source assures low maintenance costs and superior illumination
- Indirect refractive technology provides bright, even illumination.
- Choice of MR16 Halogen Lamps, shielded by a clear polycarbonate cover
- Optional MR16 LED lamps with life expectancy 50,000+ hours
- Sealed, maintenance-free, Lead Calcium or Nickel Metal Hydride batteries
- Remote load capacity, up to 50Watts when supplied with no heads
- Dual voltage input: 120/277 VAC
- Optional self-diagnostic circuitry, flasher/buzzer, fire alarm activated flasher
- Optional vandal resistant shield with tamper proof screws
- UL 924 Listed

Typical Specification

Supply and install **Grande Series** combination of unit equipment and exit sign. The standard equipment shall operate with a dual voltage input of 120/277VAC. The unit shall be suitable for wall or ceiling mount. The unit frame and face plates shall be made of injection-molded durable high-impact thermoplastic and come standard with snap in/out chevrons. No screws are necessary to hold the faceplate or back plate to the housing. The one piece thermoplastic frame is molded in white (optional black). The faceplates shall feature a uniformly illuminated legend. The light source shall be light emitting diodes (LED) and shall provide illumination in normal and emergency operation. Red LED technology shall be ALINGAP. An LED-sensitive diffuser shall be mounted behind the legend to provide the 6" high by 3/4" stroke letters with even illumination. The unit shall be equipped with two emergency heads with tool-less adjustable swivels and long-life MR-16 halogen lamps of ___ V and ___ W. Each lamp shall be protected by a snap-on, shock-absorbent, transparent polycarbonate cover.

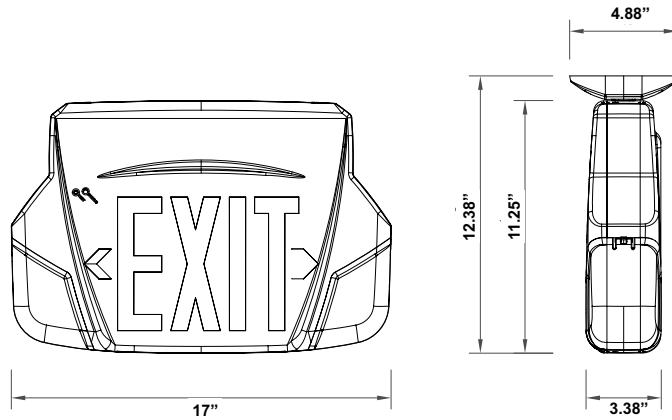
The unit shall be equipped with a test switch and a green pilot light, located on the face plate above the EXIT legend. The battery charger shall be driven by a micro-controller. All electronic circuitry (charger, LED driver, LED's) shall be installed on a single printed circuit board PCB.

The unit equipped with the improved diagnostic (optional) shall automatically self test for one minute every 30 days, 30 minutes in the 6th month and 90 minutes annually. When a fault is detected, the bi-color pilot-light shall turn from green to red and shall flash, identifying the source of the failure: battery, charger circuitry, lamp load, LED strip.

The equipment shall be UL924 listed. The combination unit shall be **Lightalarms** Model – _____.

Specifications For Grande Series

Dimensions are approximate and subject to change.



Power Consumption and Unit Rating

Model	AC Specs			Watts to 87.5% of rated battery voltage(*)			
	Battery Type	120/277 Vac	Less than 2 W	1½ hours	2 hours	3 hours	4 hours
EXIT Sign module				-	-	-	-
612M	Lead Calcium	120/277 Vac	0.11/0.05 A	12	8	-	-
612H	NiMH	120/277 Vac	0.11/0.05 A	12	9	-	-
624M	Lead Calcium	120/277 Vac	0.11/0.05 A	24	16	12	9
1224M	Lead Calcium	120/277 Vac	0.22/0.08 A	24	16	12	9
1224H	NiMH	120/277 Vac	0.22/0.08 A	24	18	12	9
1240H	NiMH	120/277 Vac	0.22/0.08 A	40	30	20	15
1250H	NiMH	120/277 Vac	0.22/0.08 A	50	36	24	18

Suffix (M) supplied with Lead Calcium Batteries
Suffix (H) supplied with Nickel Metal Hydride Batteries

Unit Warranty*

Unit carries a 5-year full warranty.

*Subject to proper installation and maintenance. (excluding lamps and fuses)

Ordering Information

Series	Voltage/Capacity/Battery	Legend color	Faces	Housing Color	# of Heads	Lamp/Wattage	Options
GR= series	Lead Calcium	R= red legend G= green legend	1= single face (ceiling or wall mount)	W= white B= black	Blank= no heads	M6= 6V6W, MR16	Blank= no option -BA= brushed aluminum exit stencil
	612M= 6V12W lead calcium		2= double face (ceiling mount)		2= two heads	M10= 6V 10W or 12V 10W, MR16	-FB= flasher buzzer -FL= flasher
	624M= 6V24W lead calcium		1N= single face no canopy (Wall mount)			M12= 12V12W, MR16	-FAF= fire alarm activated flasher
	1224M= 12V24W lead calcium		U= universal 2 faces, backplate and canopy			LD8= 12V4W LED MR16	-FBF= flasher buzzer + fire alarm activated flasher -VR= tamper proof screws -LVR1= polycarbonate shield with tamper proof screws
	Nickel Metal Hydride						ID= improved diagnostics (not available with 1250H) IDNA= improved diagnostics non-audible (not available with 1250H) -T3= time delay (15 min)
	612H= 6V12W NiMH, rated Damp Location						
	1224H= 12V24W NiMH, rated Damp Location						
	1240H= 12V40W NiMH, rated Damp Location						
	1250H= 12V50W NiMH, rated Damp Location						

Accessories (Order as a separate item)

Wire Guard (Wall mount).....WG2-L
Pendant Kit WhiteGRA-P*-W
Pendant Kit BlackGRA-P*-B
*Specify pendant length

Convert single face to double face

Red/White.....005715-L
Red/Black.....005716-L
Green/White.....005717-L
Green/Black.....005718-L

Replacement Batteries

860.0004-L.....lead Calcium
022318-L NiMH 6V12W
022319-L NiMH 12V24W
022320-L NiMH 12V40W, 50W

Replacement Lamps

580.0074-L..... MR16, 6V6W
580.0079-L..... MR16, 6V10W
580.0099-L..... MR16, 12V10W
580.0080-L..... MR16, 12V12W
580.0096-L..... MR16 LED 12V4W

Example: GR612MR1W2M6



Thomas & Betts