

# Self - Contained Emergency Lighting

## CP-M Series

### Flame Retardant Case

**new**

#### Specification

- Mode of Operation : Non - Maintained  
 Lamp : Tungsten Halogen or Dichroic Halogen, with 180° adjustable sets and plastic-cover anti-dust  
 Main Supply : AC 220 Volt, 50 Hz, ±10% - Single Phase  
 Control System : 8 bit Micro Controller Unit (MCU) with solid state automatic battery charger full function low / high charge and discharge, low / high voltage cut - off preventing battery defects  
 Construction : Electro-Galvanized steel sheet 1 mm. with epoxy powder and stove enamel coated anti-rust corrosion proof or **ABS Flame Retardant UL 94 V - O**  
 Battery : Sealed lead acid battery, based on ISO 9001, ISO 14001 certified and UL  
 Charging Period : 10-24 Hours as required  
 Manual Test : Push Button and Infrared Remote Control as below features :



Automatic Test : Real time clock - setting with 8 bit MCU

Function Test	Status	L.E.D.
Normal	5 seconds discharge	--
Monthly	30 minutes discharge	Red
Half Year	60 minutes discharge	
Fail to Test	Flashing	

Function Test	Exercise Status - Selectable
1 Week	30, 60, 90 and 120/180 minutes
2, 4, 6, 8 Weeks	
12 Week	
24 Week	

- Safety Features :
- Low - High voltage cut-off, preventing battery over discharge and recharge
  - AC fuse - preventing short circuit and overload for main incoming AC 220 Volt
  - DC fuse - preventing short circuit and overload for charging & load

- Accessories :
- On / Off switch for lamps
  - LED. AC indicates main incoming AC 220 Volt
  - LED. FULL indicates charging, and fully charged
  - LED. FAIL indicates fail to charge
  - LED. AUTO - TEST indicates fully automatic functional
  - LED. IR indicates infrared remote test functional
  - Time Delay 1 up to 10 minutes

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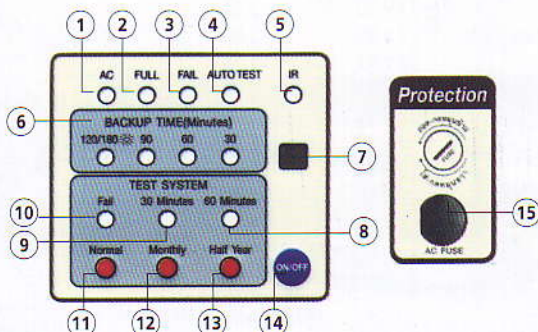
#### Dichroic Halogen (square)

MODEL	BATTERY	BULBS (Watt)	BACK UP TIME (Hrs, Mins) ±10%	WEIGHT (kgs)	DIMENSION W x L x H (cm)
CP 21-M	12V.21Ah.	2 x 35 2 x 50	2.50 2.00	9.9	9.0 x 37 x 33.5
CP 23-M	12V.24Ah.	2 x 35 2 x 50	3.00 2.10	10.6	
CP 26-M	12V.26Ah.	2 x 35 2 x 50	3.30 2.30	12.6	
CP 35-M	12V.35Ah.	2 x 35 2 x 50	4.45 3.15	15.0	16.5 x 37 x 33.5
CP 40-M	12V.40Ah.	2 x 35 2 x 50	5.00 3.30	18.5	

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#### Tungsten Halogen (rectangle)

MODEL	BATTERY	BULBS (Watt)	BACK UP TIME (Hrs, Mins) ±10%	WEIGHT (kgs)	DIMENSION W x L x H (cm)
CP 21-M	12V.21Ah.	2 x 35 2 x 55	2.50 1.50	9.9	9.0 x 37 x 33.5
CP 23-M	12V.24Ah.	2 x 35 2 x 55	3.00 2.00	10.6	
CP 26-M	12V.26Ah.	2 x 35 2 x 55	3.30 2.15	12.6	
CP 35-M	12V.35Ah.	2 x 35 2 x 55	4.45 3.00	15.0	16.5 x 37 x 33.5
CP 40-M	12V.40Ah.	2 x 35 2 x 55	5.00 3.20	18.5	



#### Emergency lighting indicators

1. AC : Main incoming AC 220 Volt
2. FULL : Charge, and fully charged
3. FAIL : Fail to charge
4. AUTO TEST : Fully automatic functional
5. IR : Infrared remote test functional
6. BACK TIME (Minutes) : Record latest duration time
7. IR RECEIVER : Infrared receiver signal port
8. 60 minutes Test : Half year push button status
9. 30 minutes Test : Monthly push button status
10. Fail (TEST SYSTEM) : Fail to test half year and monthly status
11. Normal Test : Test battery 5 seconds discharge
12. Monthly Test : Test battery 30 minutes discharge
13. Half Year Test : Test battery 60 minutes discharge
14. On / Off switch : Switch on / off for lamps
15. AC FUSE : Preventing short circuit and overload for main incoming AC 220 Volt