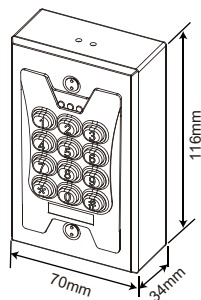
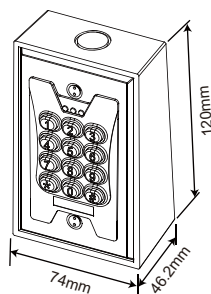


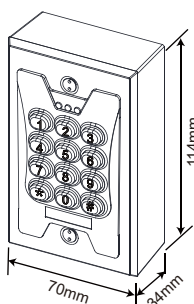
■ PSM-35-D Series can be matched with controller



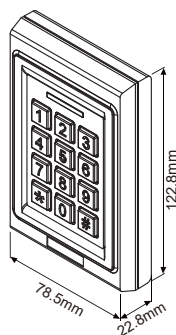
**DG-350A**



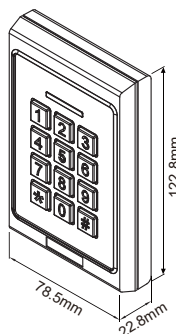
**DG-350B**



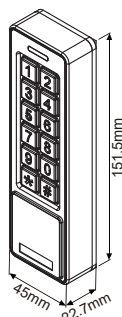
**DG-350C**



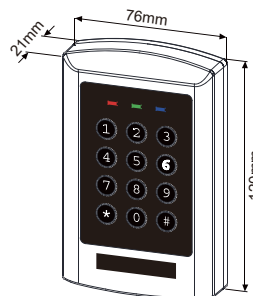
**DG-700**



**DG-750**



**DG-760**



**DG-770-TP**

■ Optional power cord



**P-CB-AS-1.8**



**P-CB-EU-1.8**



**P-CB-UK-1.8**



**P-CB-US-1.8**

# PSM-35 Switching Power Supply with Battery

## ■ Features

- ◆ Detachable design allow user replaced batteries
- ◆ Compatible non-protected 18650 Lithium-ion\* rechargeable cell
- ◆ Fully Input and Output Protections
- ◆ LED Indicator for AC Power ON, Normal DC Output and Battery Charging

(\*Operating temperature has not been verified by CE)

## ■ Specification

- ◆ Input:
  - Rated Voltage (VAC): 100 – 240
  - Voltage Range (VAC): 90 – 264
  - Rated Frequency (Hz): 50 / 60
  - Frequency Range (Hz): 47 – 63
  - Current (A):  $\leq 0.8$
  - No Load Power Consumption (W):  $\leq 0.5$
  - Energy Efficiency (%):  $\geq 84$  at full load

- ◆ Output:
  - Rated Voltage (VDC): 12.5V
  - Voltage Range (VDC): 12.25 – 12.75V
  - Rated Current (A): 2.8
  - Current Range (A): 0 – 2.8
  - Ripple and Noise (mVp-p): 120 max.
  - Rise Time (ms):  $\leq 80$  at full load
  - Hold Up Time (ms):  $\geq 50$  at full load

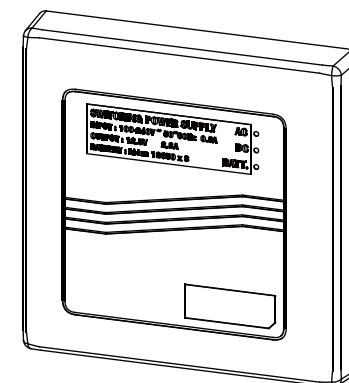
- ◆ Lithium battery users purchase reference:
  - Battery Recharge Time: Approx. 7 hours to fully recharge a completely exhausted battery at 25°C ambient temperature
  - Battery Charging Current (A): 0.2 – 0.3
  - Rated Power (W): 40 max.

- ◆ Protection:
  - AC Input: Current fuse protection
  - Output Short-Circuit: Hiccup mode occur and auto-recover without damage when fault conditions are removed.
  - Output Over Voltage (V): 15 – 18
  - Output Over Current (A): 3.3 – 3.9
  - Over Temperature (°C): 110  $\pm$  10 (output shutdown, reset by recycle AC input)
  - Battery Low-Voltage (V): 9.0  $\pm$  0.5

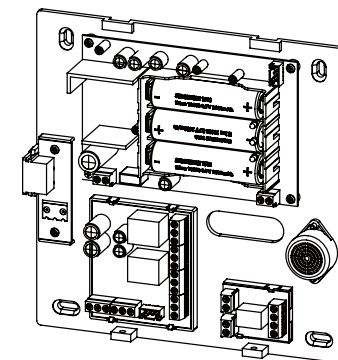
- ◆ Environment Specification:
  - Operating Temperature Range (°C): -20 ~ +40
  - Operating Humidity (%): 5 ~ 90 RH
  - Storage Temperature (°C) / Humidity (%): -25 ~ +70 / 5 ~ 90 RH

- ◆ Led Indicator:
  - AC / DC: Lit when AC input normal and DC output normal
  - BATT: Lit when the battery is charging, Off when the battery has been fully recharged or AC input fault

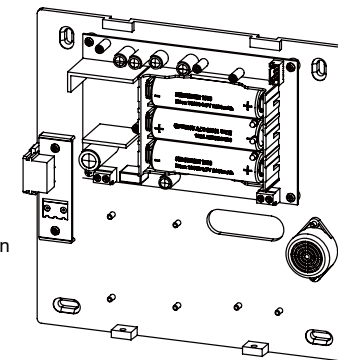
- ◆ Others:
  - Dimensions (mm): 196.5(L) × 196.5(W) × 43(H)



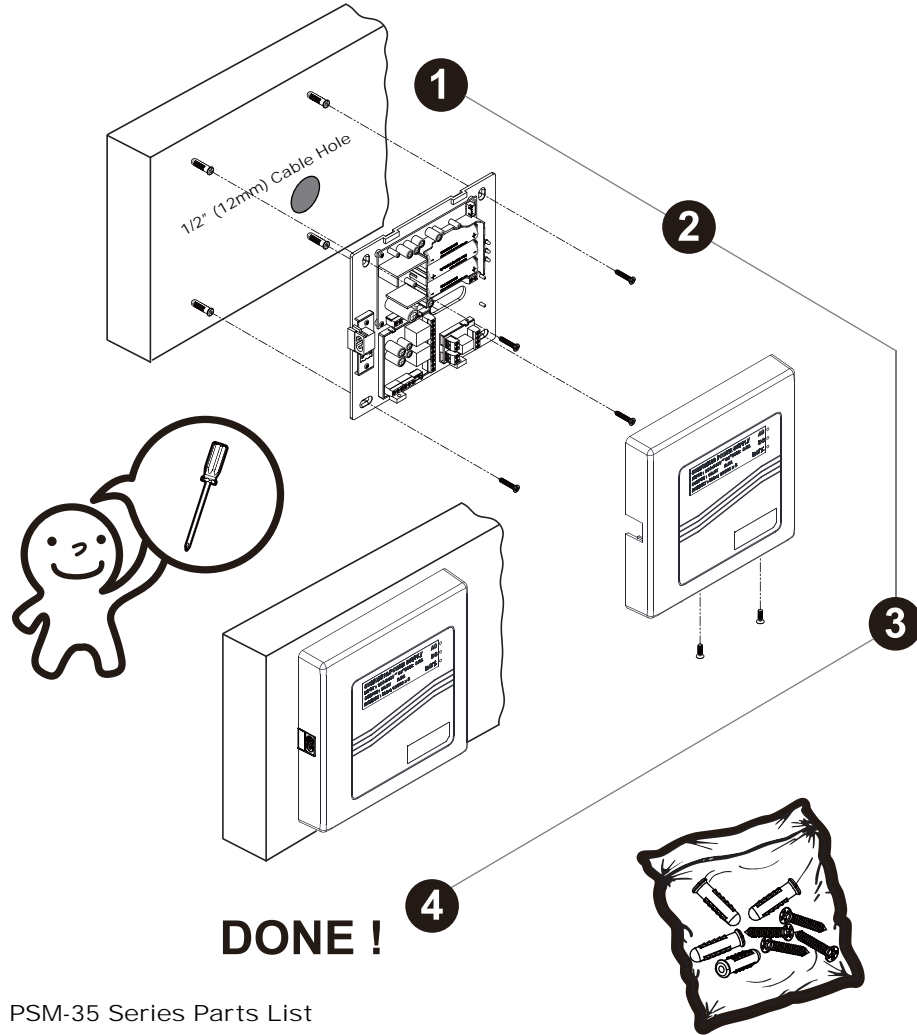
## ■ PSM-35-D Series





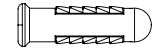
## ■ PSM-35-X Series



## PSM-35 Series Installation



## PSM-35 Series Parts List

Flat head phillips screws , Cone point	Anchor bolts
  <b>X4</b>	 <b>X4</b>

## PSM-35-D Series Wiring

