

3.3v Battery Pack

Features

- 3.3v 140mA to 400mA output
- Powered from 2 AA batteries
- LED indicator
- Touch button power switch
- Battery level meter
- Rechargeable battery overdischarge protection



LED Indicator


Status

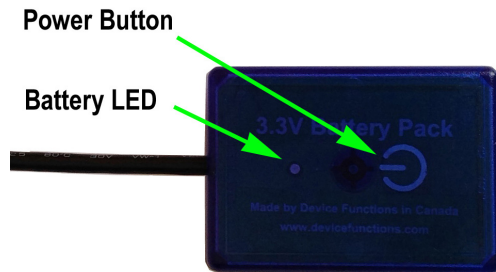
- Battery switch (touch button)
- Battery good
- Battery low (Alkaline)
- Battery extremely low (Alkaline)
- Battery low (Rechargeable)
- Battery cutoff (Rechargeable)

LED Flash Rate


- Solid on while touching, otherwise off
- LED off
- Once every 3 or 2 seconds
- Once per second
- Once per second
- LED off

Battery Power On and Power Off

Touch on power button  until battery LED lights up. Left your finger. Touch twice more consecutively. The battery LED must be on with each touch. This turns on battery power. The same procedure is used to turn off battery power.



Battery Level Meter

The battery level meter tells the current battery power in percentage. Power on the battery pack. Place your finger on  power button. The battery LED will start flashing in a few seconds. Count the number of flashing until the battery LED stops flashing. Lift your finger. The battery level is read as,

Number of Flashing	Battery Power Level
10	90% - 100%
9	80% - 90%
8	70% - 80%
7	60% - 70%
6	50% - 60%
5	40% - 50%
4	30% - 40%
3	20% - 30%
2	10% - 20%
1	Less than 10%


Change Batteries

This battery pack requires two AA batteries. Both Alkaline and rechargeable batteries can be used. Unscrew the screw on the battery pack. Remove the cover gently. Remove the old batteries and place

DEVICE FUNCTIONS





the new batteries in. Align the + and - signs on the batteries with the + and - signs on the battery holder. Put on the cover and tighten the screw.




Rechargeable Battery Overdischarge Protection

This feature can be activated when changing batteries to rechargeable batteries. It prevents rechargeable batteries degradation caused by overdischarge. To activate overdischarge protection, touch on  power button while placing in the second rechargeable battery. The LED must be solid on. Left your finger. Touch twice more consecutively. The LED will flash three times. This indicates that the over discharge protection is activated.

Overdischarge protection is off by default. You need to activate this feature every time when you change rechargeable batteries.

Touch Button Adjustment

Unscrew the screw and gently remove the cover. Remove one battery. Touch on  power button while placing back the battery. The LED is solid on. Keep touching on  power button until LED off. Lift your finger. Wait until the LED is solid on again. Place your finger over  power button. Keep your finger on  power button until LED starts flashing. Lift your finger. When the LED stops flashing, the touch button recalibration is done.

The following procedure can be used to restore manufacture's touch button setting. Unscrew the screw and gently remove the cover. Remove one battery. Touch on  power button while placing back the battery. The LED is solid on. Keep your finger on  power button until LED off. Continue keeping your finger on  power button until LED starts flashing. Lift your finger. When the LED stops flashing, the touch button is restored.

Environmental Conditions

Operating temperature range	0°C TO +45°C
Storage temperature range	-20°C TO +35°C
Relative humidity	0% to 90%, non-condensing

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