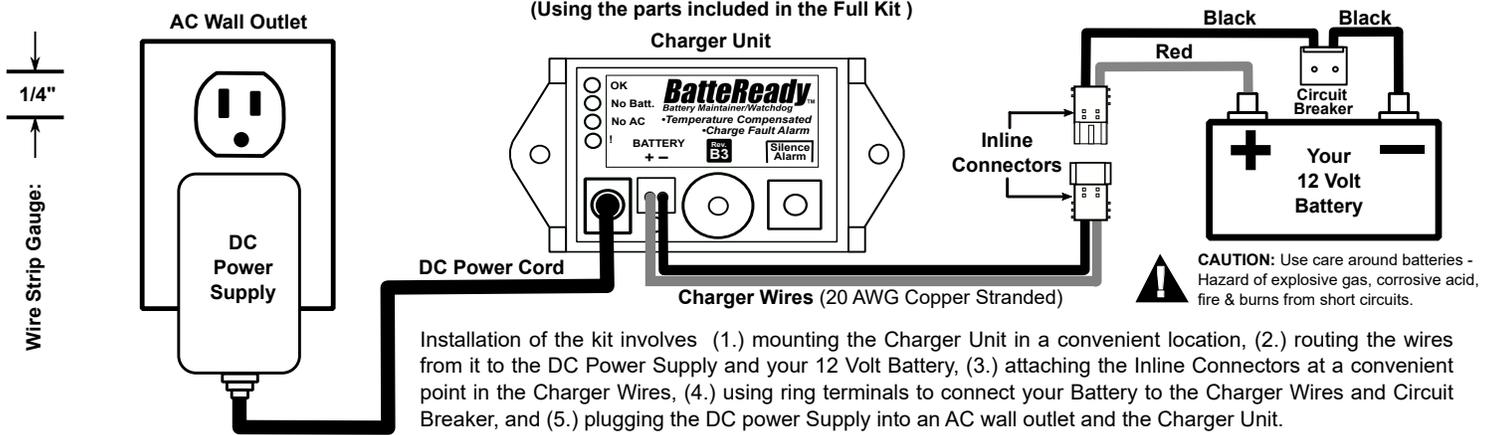


GENERAL INFORMATION: BatteReady™ is specifically designed to recharge and maintain lead-acid batteries in devices that aren't used on a regular basis. It can be connected to your battery indefinitely, ensuring that the battery is always fully-charged and ready for use. Key features include: (1.) User-selectable AUTOMATIC TEMPERATURE COMPENSATION for a precise, accurate charge under any weather conditions, (2.) AUDIBLE AND VISUAL "WATCHDOG" WARNINGS if either the battery or AC power are accidentally disconnected, and (3.) Two USER-SELECTABLE CHARGE PROFILES to accommodate AGM, Gell-Cell and conventional Flooded-Cell batteries.

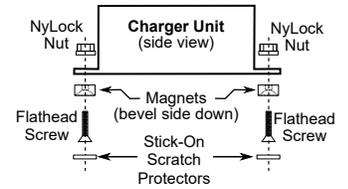
Step-By-Step Installation Instructions



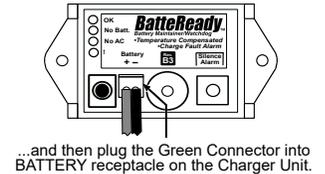
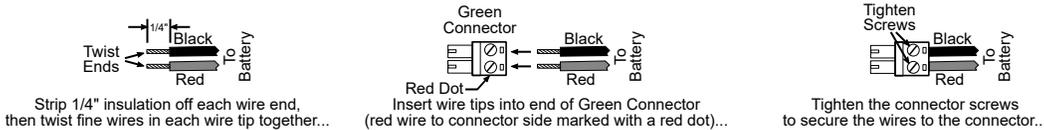
STEP 1: Identify a suitable mounting location for the Charger Unit, preferably within easy view of normal foot traffic and less than 5-1/2 feet from an AC wall outlet. If located outdoors, both the Charger Unit and DC Power Supply must be sheltered from the elements. Also, since the Charger Unit contains a temperature sensor, it should be located where it will be exposed to the same temperatures as your battery if the Temperature Compensation feature is turned on.

Secure the Charger Unit to your chosen mounting surface, using either the self-tapping screws or magnets included in the kit. (The magnets are typically used to secure the Charger Unit to metal surfaces on the device containing your battery - i.e., on a generator enclosure, tractor hood, motorcycle frame, etc.). To protect the paint on your metal surface, attach a clear vinyl stick-on scratch protector to the bottom of each magnet.

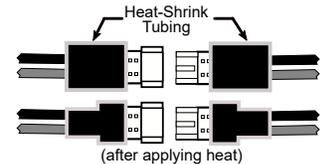
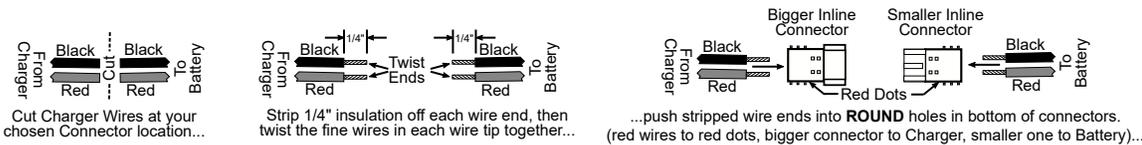
MAGNET MOUNTING DETAILS:



STEP 2: On one end of the Charger Wires, strip 1/4" of insulation off the wire ends, attach them to the Green Connector, and then plug this Connector into the Charger Unit:



STEP 3: Route the Charger Wires over to your battery, and then attach the white In-line Connectors to it:



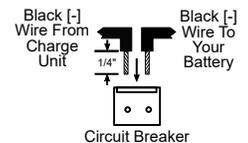
NOTE: On all connectors, the RED wire goes in the connector hole with a RED DOT next to it.

NOTE: Use a heat gun or butane lighter to shrink the tubing, taking care to avoid burning it.

...then slip a piece of black Heat-Shrinking Tubing over each wire pair where it goes into the back of the connector before applying heat to shrink it. (Tubing should cover part of the wires, and part of the connector.)

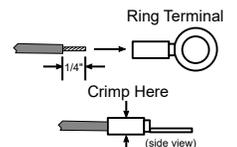
STEP 4: Cut any excess length from the battery end of the red and black Charger Wires, leaving some slack for making connections to your battery.

STEP 5: Strip approx. 1/4" off the end of the Black [-] Charger Wire, twist any frayed wire strands together, and insert it into one hole in Circuit Breaker. Take the surplus black wire left over from Step 4, and cut a piece long enough to go from the other hole on the Circuit Breaker to your battery's NEGATIVE post. Strip the insulation off one end of it, twist any frayed wire strands together, and insert it into the other hole in the Circuit Breaker. **Note that the circuit breaker is installed on the BLACK [-] wire - NOT on the RED [+] wire.**



CAUTION: The Circuit Breaker is a critical safety part that should not be omitted - Otherwise, a short circuit anywhere in the wires between the battery and Charger Unit could cause the battery to supply tremendous amounts of current, melting the wires and possibly resulting in a fire.

STEP 6: Strip approx. 1/4" off the other end of the black wire you used in Step 5, insert it into the sleeve of a ring terminal, and tightly crimp the sleeve to attach the wire to the terminal. In a similar manner, install the other ring terminal on the end of the red [+] Charger Wire.



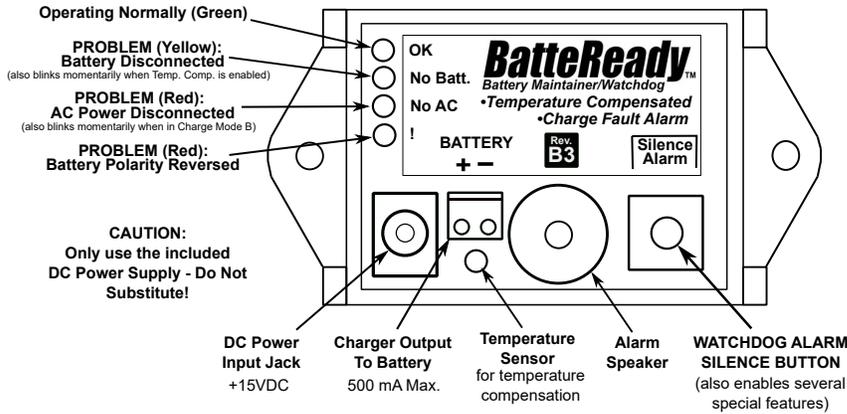
STEP 7: Connect the ring terminals to your battery posts (taking care to attach the RED wire to your battery's POSITIVE terminal), plug the DC Power Supply into an AC wall outlet, plug the DC Power Cord into the Charge Unit, and mate the In-line Connectors.

This completes the installation process.

Using The Product

STATUS INDICATOR LIGHTS:

CHARGER UNIT



HOW IT WORKS: BatteReady™ constantly monitors and adjusts the voltage and charging current being delivered to your battery, in order to indefinitely maintain it in a fully-charged state. When the Temperature Compensation feature is turned on, your battery's maintenance voltage is automatically adjusted as ambient temperature varies, using a built-in Temperature Sensor.

ALARMS: If no battery voltage is detected, BatteReady's "Watchdog" feature triggers audible and visual alarms to warn you that the battery is disconnected. BatteReady™ also monitors voltage from the DC power supply, triggering a similar alarm if AC power is disconnected.

To temporarily turn off the Speaker while an alarm is sounding, press the "Silence Alarm" button. (Normal speaker operation automatically resumes the next time an alarm is triggered). To permanently disable the Speaker, disconnect the Charger Unit from the DC Power Supply and your battery, and then re-connect to your battery while holding down the ALARM SILENCE button. To permanently re-enable the Alarm Speaker, repeat the same procedure again.

CHARGING MODES: BatteReady™ has 2 user-selectable charging profiles: "Mode A" and "Mode B". As shipped from the factory, the Charger Unit is set for the Mode A charging profile, which sets the battery maintenance (float) voltage at 13.5 VDC (measured at 72 degrees F.). Although this is a safe setting for all battery types, some manufacturers of AGM and Gell-Cell batteries recommend a somewhat higher maintenance voltage of around 13.7 VDC - which is accommodated by setting the Charger unit to the Mode B profile instead. To switch between Modes, disconnect the Charger Unit from the DC Power Supply and from your battery, and then re-connect to the DC power supply while holding down the ALARM SILENCE button. The red "No AC" LED blinks approx. once every second when the Charger is in Mode B.

TEMPERATURE COMPENSATION: As shipped from the factory, the Temperature Compensation feature is turned off - which means that the maintenance voltage supplied to your battery remains at a constant 13.5 or 13.7 volts, regardless of ambient temperature. To enable Temperature Compensation, press and hold the Silence Alarm button for at least 3 seconds, until the speaker sounds 3 tones of rising pitch. To disable it, repeat the same procedure again (until 3 tones of descending pitch). The yellow "No Batt." LED blinks approx. once every second when Temperature Compensation is enabled.

LOW-POWER MODE: If the Charger Unit is left connected to the battery for an extended time in the absence of AC power, it will automatically enter a low-power mode whenever the battery voltage drops below 11.0 volts. In this mode, the watchdog alarm still sounds every 30 seconds, but the indicator lights are not flashing - This helps reduce the Charger Unit's current drain on the battery to just 1/2000th of an amp. **NOTE:** To completely eliminate any current drain, the Charger Unit still should be disconnected from the battery whenever long-term storage without AC power is anticipated.

Troubleshooting - In Case Of Problems

SYMPTOM: THE YELLOW "No Batt." INDICATOR IS FLASHING - This indicates that the Charger Unit is measuring little or no voltage from your battery (i.e., less than 9 volts). Check to make sure that all connections between the Charger Unit and battery are tight, including the ring terminals on your battery posts. (This light also blinks momentarily when Temperature Compensation is enabled.)

SYMPTOM: THE RED "No AC" INDICATOR IS FLASHING - This indicates that the Charger Unit isn't measuring any voltage from the DC Power Supply. Check to make sure that {1.} the DC Power Supply is completely plugged into the AC wall outlet, {2.} the circuit breaker or GFCI haven't tripped, and {3.} that the connector on the end of the DC Power Cord is fully inserted into the receptacle on the Charger Unit. (Also blinks momentarily when Charge Mode B is enabled.)

SYMPTOM: THE RED "!" INDICATOR IS ILLUMINATED - This indicates that the connections between the Charger Unit and your battery are reversed - i.e., the red wire from the Charger Unit is connected to the negative battery post. Check for swapped wires at the inline connector or battery posts.

NOTE: Replacement Inline Connectors can be ordered on our website: www.LSLProducts.net/BatteReady.html

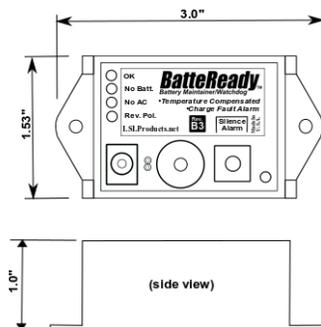
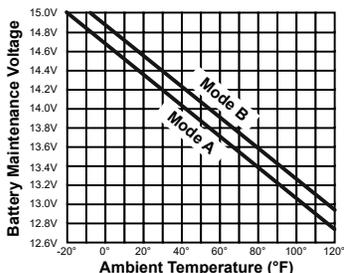
This product is covered by a one-year warranty against defects in materials and workmanship. Please email LSL Products for service:

support@lslproducts.net



Specifications

Temperature Compensation Characteristics
(when Temperature Compensation is enabled)



AC Power Requirements:

100-240VAC 50/60 Hz 10 Watts Max.

Maximum Output Current:

500 mA typ.

Maintenance Output Voltage:

(when Temperature Compensation is disabled)

13.5 VDC (Mode A)

13.7 VDC (Mode B)

DC Load On Battery:

(Low-Power Mode - No AC power present)

0.5 mA (0.0005 amps) typ.

Watchdog Audio Alarm:

3500 Hz @ 90 dB 1 m typ.

(Note: User can disable Audio Alarm)