

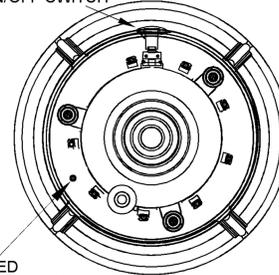
# STAR 2012™ SERIES TRAINMAN'S LANTERNS

Please read *all* of the following instructions before operating your new Star 2012™ Series Trainman's Lanterns.

The new Star 2012™ Lantern incorporates a number of improvements over the modern day Trainman's Lanterns currently available in the industry. Specifically, these changes include a new lens and reflector assembly to fully protect the spot and signal LEDs that illuminate the entire lantern head, a fully protected, push button switch, and a new highly visible case color.

- **IMPROVED OPTICS:** The modifications and updates to the head and reflector assembly of the Star 2012™ have greatly improved the optics capabilities of the Trainmen Lantern, making the lantern much brighter and providing better light dispersion patterns.
- **NEW SWITCH:** The slide switch used in previous models has been replaced on the Star 2012™ with a new easy to use push button switch that scrolls through the operating modes:  
*Spot Only* ➔ *Signal Only* ➔ *Spot and Signal* ➔ *Off*
- **LOW BATTERY INDICATOR:** The 2012™ has been designed with a new Low Battery Indicator LED that will illuminate when your battery power gets low (below 3.75VDC for the 2012™ or below 5.75 VDC for the 2012R™) and should be replaced (2012™) or recharged (2012R™).

ON/OFF SWITCH



RED LED BATTERY INDICATOR

## 2012R™

The 2012R™ uses a rechargeable battery that can be recharged many times, saving the user considerable cost. To recharge the battery use the CT101 or CT105 charger with the batteries once they are removed from the lantern.

The 2012R™ also has a low voltage cut-off that will shut the lantern off when the battery discharges below 5.2VDC. This will prevent the lantern from damaging the battery by draining it too low.



## Battery Replacement

1. To remove the battery, hold the lantern firmly in one hand with the handle facing downward and the head (where the bulbs are) facing upward as shown in the diagram to the right.
2. Using the other hand, unscrew the head in a counterclockwise motion and lift it straight off. Remove the battery and replace it.
3. Reinstall the head.



*Damage due to battery leakage is not covered under warranty. The potential for battery leakage is significantly increased if the battery is subject to deep discharging. In addition, Star recommends storing the lantern such that the battery springs are upright.*

If you have any questions concerning this or any other product, please contact our **Customer Service Department** at (585) 226-6978. If a product must be returned for any reason, please contact our Customer Service Department to obtain a Returned Materials Authorization number (RMA #) before you ship the product back. Please write the RMA # clearly on the package near the mailing label.



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