

TCPS-SBS

Sensor Battery System

INSTALLATION INSTRUCTIONS

Section 1

General Description

The TCPS-SBS Sensor Battery System is a labor and materials saving device. When installed in the pedestrian signal head, the TCPS-SBS provides continuous power to an MS SEDCO pedestrian or vehicle sensor.



By taking advantage of the power already run to the head, the installer can avoid costly and disruptive wire runs from the control cabinet to the detection device. The SmartWalk™ pedestrian sensor output can be connected in parallel with the push button wires, simplifying installation even more.

Section 2

Basic Installation

The unit is shipped with the positive lead to the battery removed so there is no leakage drain on the battery. Remove the cover and connect the RED wire to the Battery.

Installation Steps for SmartWalk™

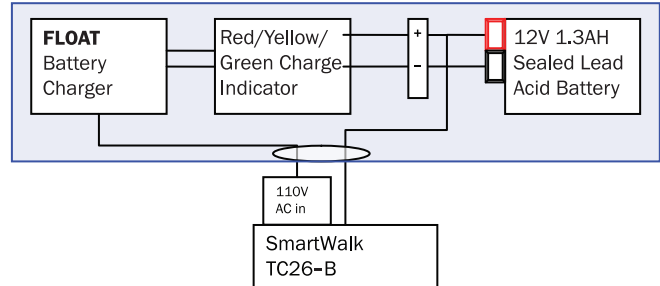
1. Install the SmartWalk.
2. Break circuit for 110V AC power.
3. Connect SmartWalk to battery positive and negative leads.
4. Connect positive tab to battery
5. Connect AC in of the battery to the "Don't Walk" circuit for the SmartWalk.
6. Activate 110V AC power again.
7. Connect the NO and COM of the SmartWalk in parallel with the push button wires.

Installation steps TC26-B

1. Install the TC26-B
2. Break circuit for 110V AC power.
3. Connect TC26-B to battery positive and negative leads.
4. Connect positive tab to battery
5. Connect AC in of the battery to the main street green for main street detection or the side street red for side street detection for the TC26-B.
6. Activate 110V AC power again.
7. Connect the COM to the AC ground in signal and NO to a spare to control box detection input for that Phase

If you are going to leave the unit without AC power for extended time, disconnect the positive lead to the battery.

FIGURE 1



Section 3

Technical Data

Model..... TCPS-SBS
Output..... 12V
Current..... 0 - 200mA
Typical Battery Life..... >4 Hours at 200mA
Input..... Unfused 110V AC
Temperature Rating..... -4 °F to 122 °F
(-20 °C to 50 °C)
Color..... White
Weight..... 3.5 lbs. (1.75kg)
Size..... 4 3/4"W x 4 3/4"H x 3 1/2"D
12.1cmW x 12.1cmH x 8.9cmD

Section 4

Warranty

MS SEDCO guarantees this product to be free from manufacturing defects for 1 year from date of installation. Unless MS SEDCO is notified of the date of installation, the warranty will be in effect for 1 year from the date of shipment from our factory. If, during the first year, our motion detector or support device fails to operate and has not been tampered with or abused, the unit can be returned prepaid to factory and it will be repaired free of charge. After 1 year, the unit will be repaired for a nominal service charge. **This limited warranty is in lieu of all other warranties expressed or implied, including any implied warranty of merchantability, and no representative or person is authorized to assume for MS SEDCO any other liability in connection with the sale of our products. All warranties are limited to the duration of this written warranty. In no event shall MS SEDCO be liable for any special, incidental, consequential or other damages arising from any claimed breach of warranty as to its products or services.**

Questions? Call us toll-free at 1-317-842-2545 or visit us online at www.mssedco.com.