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## TD 6000 Installation Instructions

**The TD 6000 Includes:** Main Unit • Battery • Exterior Siren • Door Switch • Solar Panel • Install Kit

Locate main unit in an out of the way location but convenient for viewing the battery status indicator light and access to the auxiliary charging port. ***It is recommended that all 4 mounting bolts be used and that 2 of the bolts go into a vertical frame member of the Trailer***

After marking the location of the box install box using the (4) ¼ x 14 x 1" Hex Head Screws supplied in the enclosed Install Kit.

**Door Switches:** To install the door switches locate the switch on the jamb of the door as close to the opening as possible without interfering with the door function. Locate the magnet on the door so that it is centered with the switch. A maximum gap of 1 inch is allowed for proper switch function, this gap can be lessened by a steel trailer frame. After installation of both components close the door and check for continuity. If necessary the included 18/2 wire can be used to extend the switch wire. If more than one switch is required the additional switches should be wired in series. (See diagram for multiple switches)

**Exterior Siren:** Mount the exterior siren under the trailer in a location to avoid splash. The siren should point toward the rear of the trailer with a slight downward angle. The siren wire can be extended with the included 18/2 wire and butt connectors. (Polarity specific)

**Trailer Lights:** Splice into trailer clearance lights positive wire with #18 stranded wires using included snap splice connector. Be sure to ground unit to trailer frame using included black wire and ring terminal. Attach ring terminal to frame route into box and connect to circuit bar where marked ground (see included diagram).

**Solar Panel:** Remove solar panel from box and cut off alligator clips. After installing mount feet to panel, choose a location on the roof of the trailer close enough to the alarm unit so the included wire reaches the alarm box. Once a location has been chosen drill a hole through the roof of the trailer so the wire enters the trailer under the panel. When installing the panel leave about 1ft of extra wire on the exterior under the panel. This will allow for easy installation and removal of the panel. ***(Be sure to seal screw and wire holes with silicone caulk)***

**LED Status Indicator Light:** Pick a location so that the wire on the LED Indicator Light will reach the alarm unit. This light can be found inside the unit plugged into the circuit board. (Unplug light) Drill a 3/8 inch hole in the desired location. Pass the LED through the hole from the outside plug first. Route into box and plug back into circuit board.

**Brake Hook Up:** Using weather proof stranded #14-2 or #12-2 conductor, run a wire from the alarm box to the breakaway battery box at the front of the trailer. Using 2 of the included snap splice connectors attach the 2 legs of the #12-2 wire to the two wires running from the breakaway switch on your trailer. It should be possible to make these connections inside the breakaway switch battery box ***(the battery must be charged in order for the Trailer Dog brake lock feature to function)***. The connections are not polarity specific. (See diagram)

**Wiring:** After installing all components, route all wiring into the alarm box. Make sure to mark your wires before routing and entering box to avoid confusion while making connections. All terminals are marked and a wiring diagram is included with these instructions. When making connections the terminal make sure it is clamped on bare wire and not on the wire insulation. After making all connections install included battery. (Red wire goes to the red terminal and the black wire to the black terminal). Reinstall battery clamp after battery is installed.