



## Solar Battery Kits for TD200 & Repeater



Solar power for the 12VDC TD200 and the 12VDC Repeater makes it possible to have wireless control without electricity. The complete kits are provided for convenience so that mounting the components and making the wire connections simplifies installation. Each kit has the parts that are specifically required for either the TD200 or the Repeater. The kits cannot be interchanged because each one is designed and matched to work only with the TD200 or the Repeater. The optional kits without the battery is to reduce shipping cost. Purchase the battery locally using the specifications below\*. Also the support pole is not part of any of the kits and must be provided from a local source.

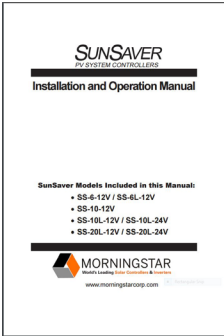
Description	Number key on photo	Part Number	Includes Battery		No Battery	
			Solar kit for TD200 #12075-001	Solar kit for Repeater 12075-002	Solar kit for TD200 12224-001	Solar kit for Repeater 12224-002
10W Solar Panel	1	12088	✓	✓	✓	✓
Solar Panel Mounting Bracket	2	12087	✓	✓	✓	✓
Hose Clamps (2 or 4 ea.)	3	12138	4	2	4	2
Cable Kit (TD200)	4	12122	✓	x	✓	x
Battery (12VDC)	5	12092	✓	✓	x	x
Enclosure, incl. solar controller	6	12089	✓	✓	✓	✓

\*Battery Spec: Power Sonic, Model PS-12200NB, 12VDC AGM, 20 Amp Hr.

✓ Symbol means the part is included in the kit. x indicates it is not.

# INSTRUCTIONS FOR CONNECTING WIRES FOR 12VDC SOLAR KITS

These instructions are for making the wire connections of the solar charge controller to the solar panel and from the charge controller to the battery for either the TD200 or the Repeater.



## STEP 1

Before starting, read the installation manual for information and safety cautions.

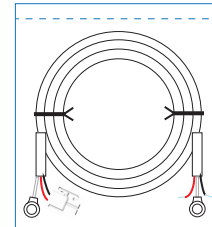
## STEP 2

The solar charge controller inside the #12089 is shown here. It is the same for both the TD200 and the Repeater. Connecting the wires of the TD200 and the Repeater are slightly different so follow the next steps. Keep in mind the TD200 cable is a separate part. For the Repeater, jump to STEP 4 because it comes with wires connected already on one end.

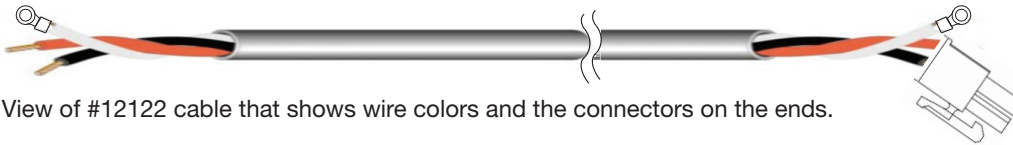


## STEP 3

Locate the #12122 cable package which is used for the TD200. The 10 ft. cable is three conductor color coded with some ends attached.



Packaged #12122 cable

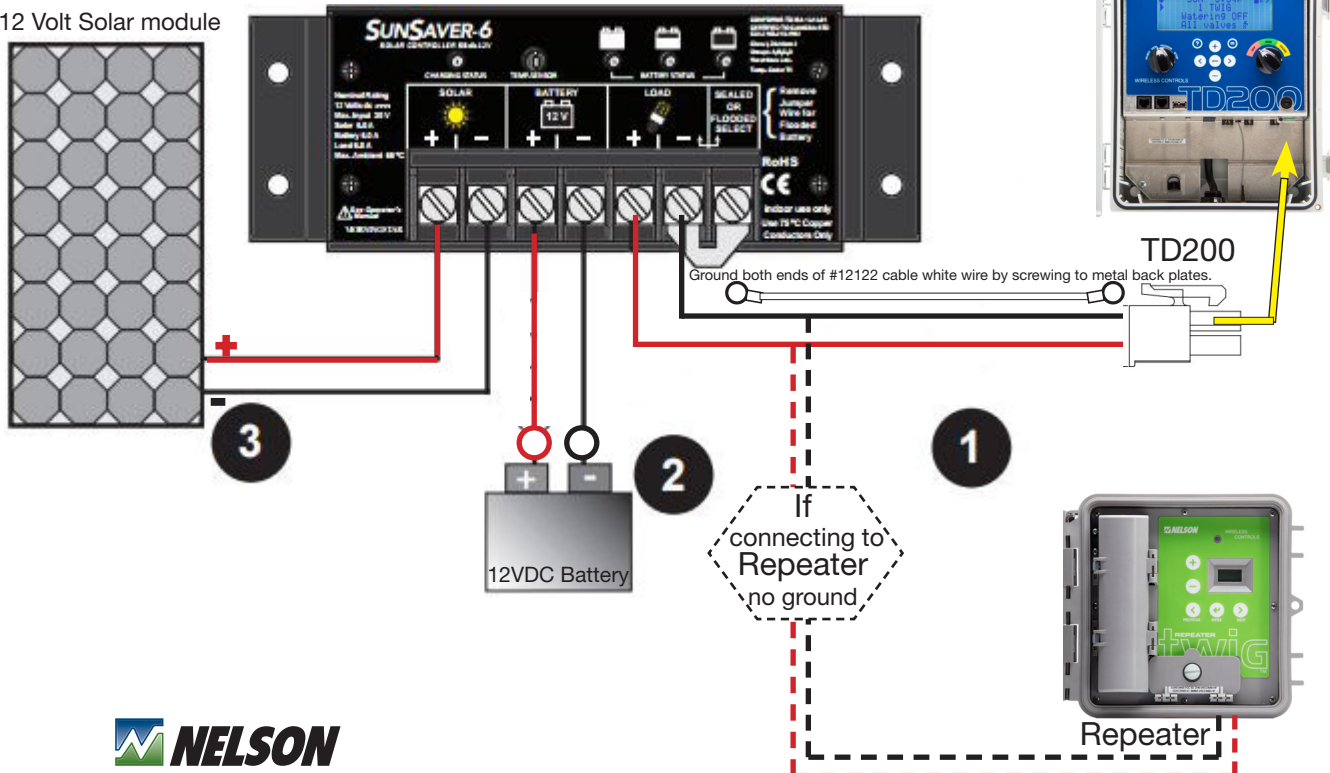


View of #12122 cable that shows wire colors and the connectors on the ends.

## STEP 4

Note that the proper order to connect the wires is shown by the numbers in the figure, first **1** the load then **2** the battery then **3** the solar panel. It is important to connect the wires in the proper order to avoid shock. The red color wires are for positive and black for negative as shown.

12 Volt Solar module



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