

## Technical Note

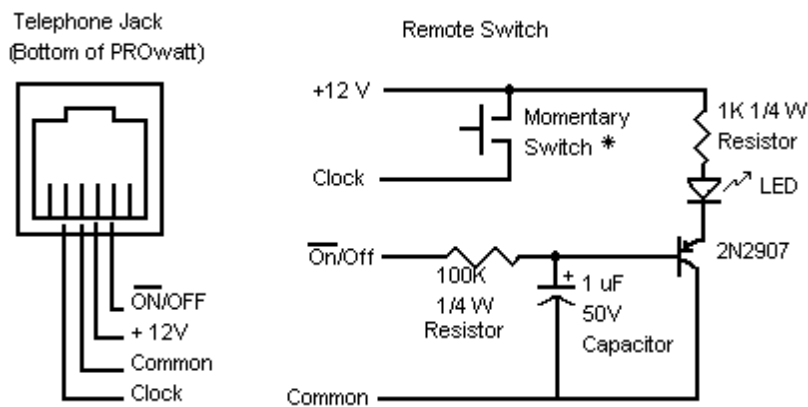
### PROwatt 800/1500/2500

512-0040-01-01 Rev 1

# Designing an Interface for the PROwatt

## Overview

If you need to control the inverter remotely, for example, with the press of a button, use the RS-100 PROwatt Remote Switch. You may alternatively design your own remote interface using the diagram below:



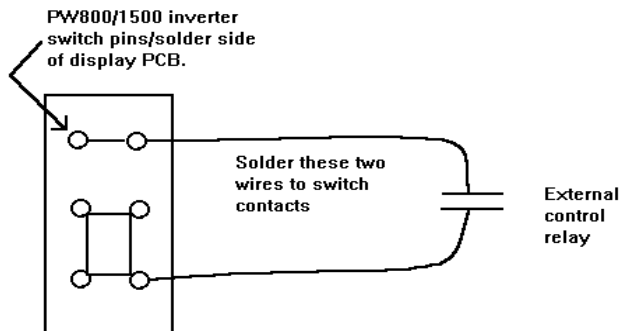
\* Note: The switch MUST be a momentary type.  
If no LED status display is required, using the switch to short +12V and the Clock will toggle the unit on and off.

If you need to operate the inverter from the output of a computer, or PLC, the remote switch interface (RJ11 port) requires a momentary contact (transition sensitive) switch to toggle the inverter on/off. This may be difficult to achieve using a relay due to relay contact bounce; an alternative is described below.

The slide switch on the PROwatt simply interrupts the 12 VDC line to the inverter control circuitry. The switch uses only two contact points on the display PCB inside the front end plate. Solder two wires to the back of the switch studs—where they protrude through the PCB, (relay contacts parallel the switch)—and connect them to the relay. The result is a level sensitive interface (an On/Off relay control).

**Caution:**

Use anti-static precautions when soldering. Both wires carry 12 volts (DO NOT use a common relay ground contact as it will burn a track in the display PCB, and damage due to such modification voids the warranty). The inverter-to-relay wire should be kept under 30 cm to minimize stray capacitance, noise pickup problems.



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