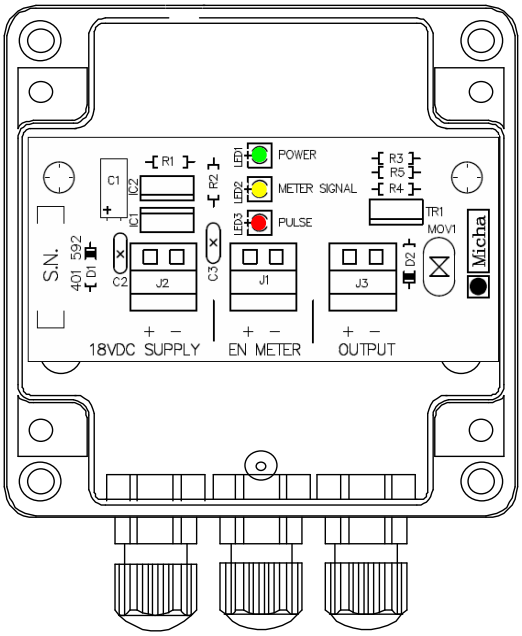
P.G. DISPLAY SIGNAL BOOSTER



The **Micha** Signal Booster Unit (PN: 102135) is designed to provide a buffered pulse signal between an energy meter and a remote display.

Connections:

Using the supplied 'plug-top' PSU (or similar supply), connect power to the 'transmitter' board to the terminal marked as **J2** on the diagram left. (Striped lead is positive.)
Connect **J1** to the energy meter pulsed output.
Connect **J3** to the remote display.

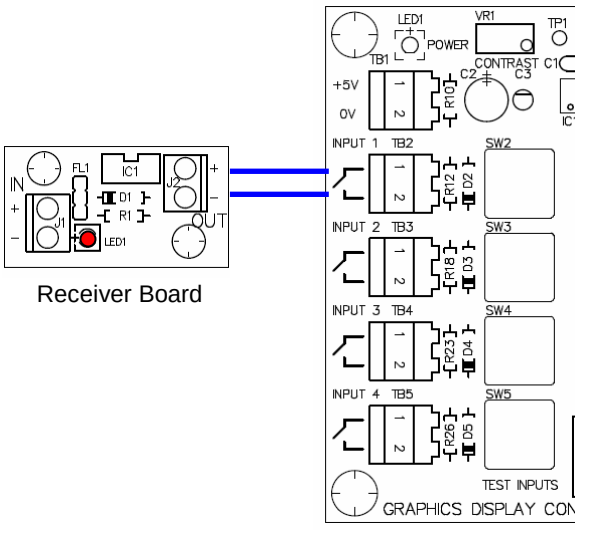
Indications:

LED1 (Green) indicates power to the unit
LED2 (Yellow) indicates a pulse from the energy meter
LED3 (Red) indicates the pulse has been transmitted to the remote display.

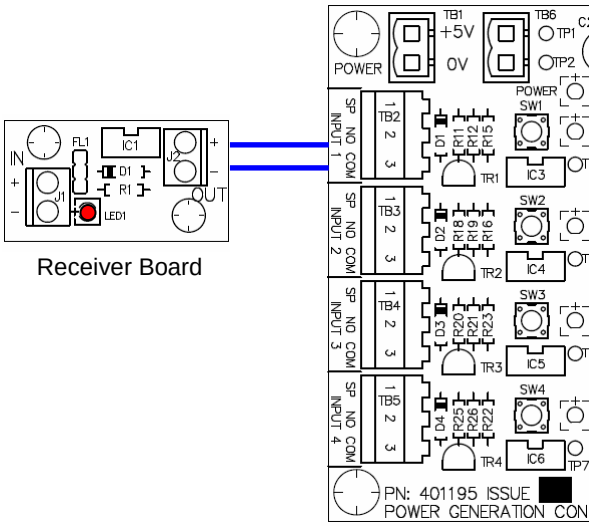
Notes: The output pulse is a current-limited signal of 10mA at approximately 24V. A short-circuit on the output wiring will not damage the transmitter, but LED3 will indicate a circuit has been made.
The PSU supplied with the unit has an unregulated 18V output which can be as high as 25V.
The voltage output to the energy meter on J1 is 12V

Connecting the Booster Receiver to the Power Generation Control Board

Connections should be made as in the two diagrams below. The Red LED will flash when a valid input pulse is received on the input. IC1 provides an optically-isolated output to switch the normally-open inputs of the control board.



Power Generation Display Control Board Version 1, 2 & 3



Power Generation Display Control Board Version 4