

Generation Switch Modifications for type 3 meters

A 'type 3 meter' is one on which the LED flashes whenever power is imported and the LED goes out whenever power is exported. Read the [introduction](#) describing the meter types before reading this document.

The Simple Generation Switch has a Reset input which is connected to 5V via resistor R4. To reset the monostable (U2) the Reset input needs to be pulled down to 0V. The modification to the circuit consists of adding a solder pin to the 0V circuit track and connecting a phototransistor (identical to the one used to detect the Generation Meter LED) between the Reset solder pin and this new 0V solder pin. Details shown in [blue](#) below.

Whenever the LED on the Import Meter flashes (electricity is being imported) the phototransistor will detect the flash and reset the monostable.

