

## ***Pulse Mode Totalizer Output***

The pulse output represents a totalized flow. It can be expressed as 100 cubic feet per pulse, 1000 pounds per pulse etc. Once assigned to a relay output each pulse will be an X ms (X millisecond) contact closure. This emulates the mechanical systems which flip a switch after so many turns on a wheel. The pulse output is of no value in measuring rate because the update rate is too slow, about every 50 ms. To get rate with pulses, you need a changing frequency and this output will not work that fast. You reach the Pulse Output menu category from: *Program Mode*, then press the **P** key until the following menu is displayed:

```
PRESS E TO SET
TOT PULSE OUTPUT
```

Press **E** to enter this category. If you cannot enter the category, your meter was not purchased with this option. [Section I](#) defines each version of the hardware to check if this feature is available for your meter.

```
ENTER PULSE TO
SET TOT OUT 1
```

In this screen you enter a 1 or 2 for the pulse output channel to be configured using the keypad or the **^v** keys followed by **E** to accept the changes. The following screens apply the pulse output channel just selected.

```
TOT OUT 1 IS ON
^=ON    v=OFF
```

In this screen you chose to enable, or disable, the totalizer output channel.

```
ENTER SCF PER
PULSE 1000.0
```

Here the accumulated flow per pulse is defined. The units of volume or mass per pulse depend on the meter sections and system units. The example above is English and standard cubic feet. After you type the number on the keypad for the pulse size, press **E** to accept the new value.

```
PULSE WIDTH
(MS) = 50
```

This menu screen is used to select how long the contact closure on the assigned SSR will be for each accumulated total pulse.

TOT OUTPUT #1 ENTER RELAY #1
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This screen is used to assign the pulse output channel to an actual relay or SSR, 1 or 2. You enter the relay number from the keypad or use the **^v** keys followed by **E** to accept the entry. If the specific relay number (1 or 2) selected has already be allocated for an alarm or purge valve you will have to change the conflicting assignment first to free up the relay channel of interest.

The next screen jumps to pulsed output 2 if configured and you repeat the above screens.