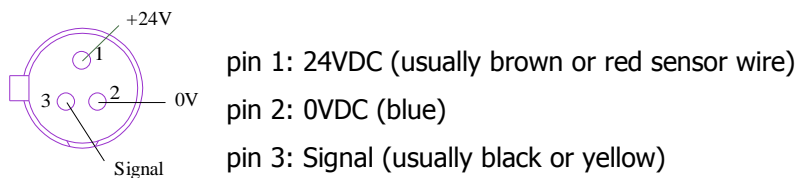




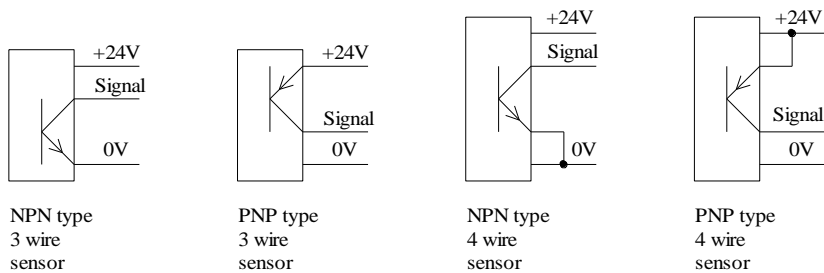
The CountMaster Legend is an industrial totalizer and batch counter with a batch signal output configurable to drive 120VAC (USA only), 24VDC or volt-free contacts to activate batching devices. The count input signal is configurable as NPN (sink), PNP (source) or "totem pole" to accommodate any standard sensor. For easy installation talk to our sales team and they will configure the CountMaster to your requirements before shipping.

**Connections:**

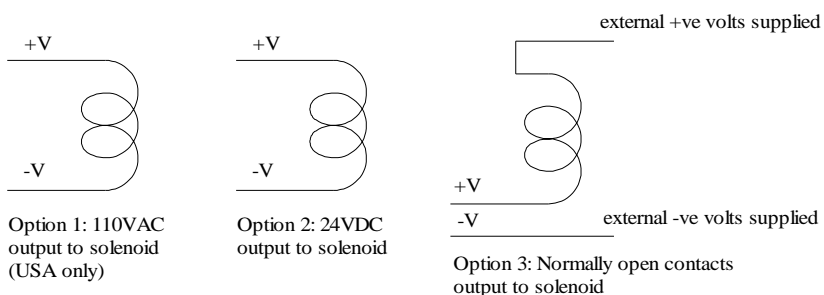
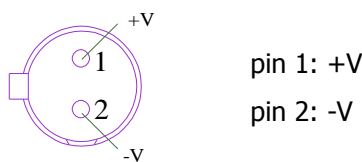
- Input connection for sensor: 3 pin connector supplied. View is of solder pins.



There are 3 wire sensors and 4 wire sensors, determine which the configuration of your sensor is (below) and connect as described.



- Output connection to batch device: 2 pin connector supplied. View is of solder pins.



**User Controls:**

Front panel:

- **Count On/Off Push Button:** press the green count button to allow the totalizer/batch counter to count incoming signals from the sensor. The green LED at the centre of the push button will be on when the totalizer/batch counter is active. To stop the count, press the button again and the green LED will go off.
- **Force Batch Push Button:** Each time a batch signal is created by the totalizer/batch counter the red LED will light up for the period of the batch output signal. If you need to force a batch early simply press this button.
- **Totalizer/batch Counter:** press the mode button once and the counter display will change from "total display" to "batch display", press the mode button again and the counter display will change back to "total display". When the display is in "batch display" mode you can modify the number of counts required to make a batch by pressing the appropriate button underneath the display.

Batch display



Total display



Rear Panel:

- **Reset Push Button:** Press the reset push button to reset both totalizer and batch counts.

**Totalizer Settings:**

The totalizer settings will be pre-set for you before shipping.

However, you may need to adjust the output batch pulse length which is shipped set to 0.5 seconds.

If you enter the set-up mode during a job it is possible that you will lose information from run so only access the set-up mode between jobs

Access the settings:

Press and hold the "mode" button for 3 seconds and the word "Cntm" will be displayed on the upper display and the word "up" on the lower display. The upper display is the mode and the lower display is the selectable function. To change the "up" function press the number "1" and the function display will scroll through a number of functions related to this mode e.g. up, down, Ud-R, Ud-b, Ud-C and back to up.

The list of modes and their functions as set by us:

Cntm up

oUtm C

otim 0.50 This is the output pulse length which you can change with the relevant numbered buttons located below the display.

CntS 5kHz If you are using a slow input signal below 30 Hz you might want to change this function value to 30Hz

IFLt 20mS

dP ----

PSCL 1000

Imod nPn If your sensor is PNP change this function value to PnP

Colr rEd

SL -H 9999

KYPt KP-2

For a more detailed breakdown of modes and functions download the pdf from the web at:

<http://www.pressandpackaging.com/data%20sheets/CountMaster%20Legend%20display%20mode%20set-up.pdf>

Pages 15 to 26 are the most relevant.