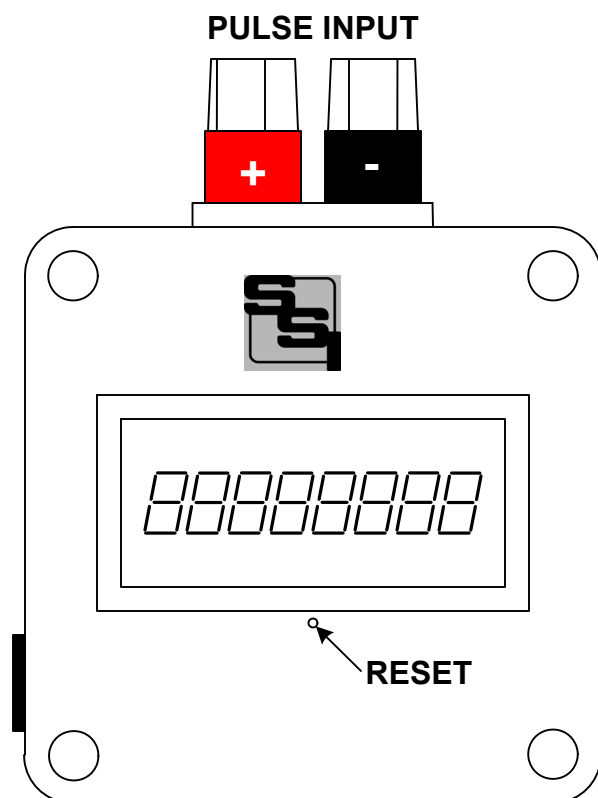


# INSTRUCTION SHEET

## PPC-1B PORTABLE PULSE COUNTER



**FUNCTION** - The PPC-1B is an 8-digit pulse counter designed to accumulate a pulse count up to 99,999,999 from a Form A (2-Wire) pulse initiator. It is compatible with dry-contact pulse outputs only. Disconnect any voltage or connection to other equipment prior to connecting the PPC-1 to the meter's pulse output.

Upon each closure of the pulse output, the counter will increment by one count. Since the input is configured as a Form A (2-Wire) input, the opening transition of the pulse output is not counted. To get the correct energy value of the pulses accrued, multiply the count on the PPC-1B by the Form A pulse value. The count is saved in non-volatile memory.

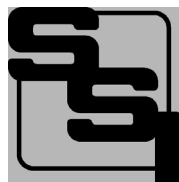
The on-state resistance of the meter's pulse initiator must be less than 100 ohms.

**POWER INPUT** - The PPC-1B is powered by a 12VAC Wall transformer supplied with the unit. 12VDC may also be used. Contact factory for other power supply voltage options.

**METER CONNECTIONS** - Connect the PPC-1B's pulse input leads to the meter's "K" and "Y" terminals. For non-polarized pulse outputs, either lead can be connected to either terminal. If the pulse output is polarized, observe the polarity. Connect the positive (red) lead to the + (red) pulse input terminal on the PPC-1B. Connect the negative (black) lead to the - (black) terminal. The PPC-1B may also be connected to the "K" and "Z" outputs of the pulse initiator.

**FORM A vs. FORM C PULSE COUNT** - The pulse count of the PPC-1B is based on a Form A (2-Wire) pulse input. Therefore, the count will be half the equivalent Form C (3-Wire) count. To convert the Form A count to the Form C equivalent, simply multiply the count by 2. Since the energy value of Form A pulses is double the value of Form C pulses, the equivalent accrued energy is the same.

**RESET** - To reset the counter to zero, use a paper clip through the reset hole and hold the reset button until the counter is zeroed.



## SOLID STATE INSTRUMENTS

by Radian Research, Inc  
3852 Fortune Dr, Lafayette, IN 47905  
Phone: (765) 449-5576

Mail: [technicalsupport@radianresearch.com](mailto:technicalsupport@radianresearch.com)