MOUNTING POSITION - Because the MPT-4SB contains a mercury-wetted relay, it must be mounted in a vertical position to operate correctly.

POWER INPUT - To power the MPT-4SB with a 120VAC power supply, use the NEU and the L1 power supply input terminals. For 208, 240 or 277 VAC operation, use the NEU and L2 power supply input terminals.

METER CONNECTIONS - The MPT-4SB's "K" terminal provides a common return for all of the meters' "K" terminals. The MPT-4SB uses only 3-Wire inputs. Connect each meter's "Y" and "Z" terminals to the "Y" and "Z" terminals of the desired input channel of the MPT-4SB. Each "Y" and "Z" input provides its own wetting (sense) voltage to the meter's "Y" and "Z" terminals. Meter's pulse output must be a dry-contact type and can be either solid state, or electro-mechanical.

OUTPUTS - One three-wire isolated output is provided on the MPT-4SB. Arc suppression for the contacts of the mercury-wetted relay are provided internally. The output loads should be limited to 2 Amps by fuse F1. A 1/2 Amp fuse is supplied standard with the unit unless otherwise specified.
NOTE: A sense voltage of +13VDC is applied to the meters via the "Y" lead from the MPT-4SB. The "K" lead is the common return.

AC POWER INPUT
- FOR 120VAC, USE L1 AND NEU INPUTS
- FOR 208 TO 277VAC, USE L2 AND NEU INPUTS

METER OR ENERGY METER
#1
#2
#3
#4

CONTROL SYSTEM

MPT-4SB ELECTRICAL WIRING

REV. 12/15/05

Solid State Instruments, a division of Brayden Automation Corp. Loveland, Colorado 80538 (970)461-9600