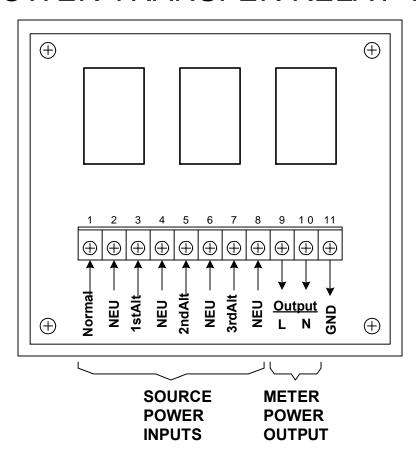


## APU-3 INSTRUCTION SHEET POWER TRANSFER RELAY-120VAC



<u>POWER INPUTS</u> - The APU-3 is a power transfer switchover device. When power is present at the <u>Normal</u> 120VAC input (terminal #1), this voltage is routed to the Meter Power Output (terminal #9). If power to the Normal input fails, the output is switched over to the <u>1st Alt Supply</u> 120VAC power source. If both the Normal source and 1stAlt source have failed, the APU-3 switches to the <u>2nd Alt Supply</u> 120VAC power source. Finally, if Normal, 1stAlt, and 2ndAlt sources have failed, the APU-3 switches to the <u>3rd Alt Supply</u> 120VAC power source. In this way, the meter can remain powered unless all four power sources to the facility fail.

<u>INPUT POWER CONNECTIONS</u> - Connect the 120VAC NORMAL ("Hot") phase to the "Normal" terminal (#1) and the Neutral phase to the Neutral terminal (#2). Connect the first alternate 120VAC source ("hot") phase to the "1stAlt" terminal (#3), and the neutral to the "Neutral" terminal (#4). Connect the 2ndAlt 120VAC source hot to terminal #5; Neutral to terminal #6. Connect the 3rdAlt source to terminals #7 (Hot) and #8 (Neu). CAUTION: Make sure all "Hot" phases are on <u>ODD</u> numbered terminals and all Neutrals are on <u>EVEN</u> numbered terminals.

<u>OUTPUT POWER CONNECTIONS</u> - The Line output terminal "L" is terminal #9, the 120VAC OUTPUT ("hot") to the meter. The Neutral output terminal "N" is terminal #10. Connect the GND terminal #11 to the electrical system ground.

<u>OUTPUT RATING</u> - The outputs consist of heavy duty power relays equipped for excellent continuity of the contacts since switching action is infrequent. As such, current is limited to 3 Amps @ 120VAC. Do not exceed this rating.



## SOLID STATE INSTRUMENTS

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