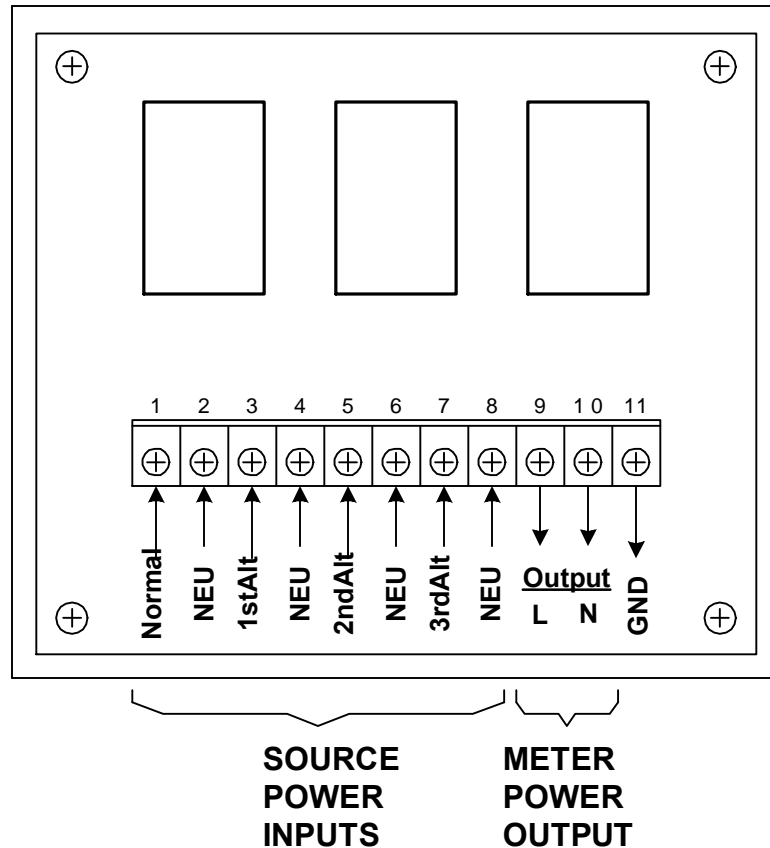




APU-3 INSTRUCTION SHEET

POWER TRANSFER RELAY-120VAC

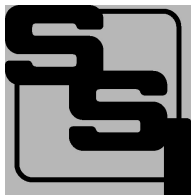


POWER INPUTS - The APU-3 is a power transfer switchover device. When power is present at the Normal 120VAC input (terminal #1), this voltage is routed to the Meter Power Output (terminal #9). If power to the Normal input fails, the output is switched over to the 1st Alt Supply 120VAC power source. If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

INPUT POWER CONNECTIONS - 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 ODD numbered terminals and all Neutrals are on EVEN numbered terminals.

OUTPUT POWER CONNECTIONS - 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.

OUTPUT RATING - 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.



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APU-3 Block Diagram

