



ADVANCED HARDWARE TECHNOLOGIES

NP-1 POWER SUPPLY

SYSTEM OVERVIEW

The NP-1 power supply has been designed to work specifically with the AHT MEL-1 motor retraction system. The NP-1 and MEL-1 each contain a computer that is constantly monitoring and communicating the status of each system. The communication is performed over the red and black power wires that connect the two devices.

FEATURES AND SPECIFICATIONS

- Input voltage – 120 VAC, 60Hz, 0.36 A
- Output rated 24-27.5 Vdc, 3A
- (2) 12 Vdc sealed lead acid batteries
- (2) solid state input/output (input triggered by dry contact)
- (1) Fire loop connection
- (2) Motor travel adjustment pots
- (3) LEDs that monitor power and charging
- (2) LEDs that monitor input status
- (2) LEDs that monitor:
 - Line voltage
 - Fire loop status
 - RX status
 - Communication status
- Temperature range – 0 to 49 C
- Line voltage wiring should be a minimum of 12 AWG in conduit
- All wiring that is not line voltage should be a minimum of 22 AWG
- ¼ inch spacing must be maintained between power-limited and nonpower limited wiring
- Enclosure – 10"W x 10"H x 4"D
- Wiring from FACP to be in accordance with NFPA 101, section 7.6.1.6.2
- Fuse – AC=1.0 A 250V 5mm x 20mm
- Wire run 100' with 18 AWG

