

*Because Lives, Property and Businesses aren't Fireproof.*



## APS600

### Notification Appliance Circuit Power Supply

Harrington Signal Inc.  
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#### Features

- UL Listed (UL864)
- CSFM Approved
- MEA - NYC Department of Buildings Approved
- CSA Approved (Canada)
- NFPA 72 Compliant
- Input 115VAC/60 Hz, 1.45 amps
- Field selectable 24VDC or 12VDC voltage regulated power limited outputs
- 6.5 amps continuous supply current @ 24VDC or 12VDC
- Separate 50mA auxiliary output with built-in and remote reset capability
- Two (2) outputs may be paralleled for more power on an indicating circuit
- Two (2) Style Z (Class A) or two (2) Style Y (Class B) FACP inputs
- Programmable EOL resistor supervised indicating circuit outputs:

- Four (4) Style Y (Class B) or two (2) Style Z (Class A) or one (1) Style Z (Class A) and two (2) Style Y (Class B)
- Compatible with 12 or 24VDC fire panels
- Filtered and electronically regulated output
- Output loop supervision steered to Input 1 or Input 2
- Common trouble input and output
- Ground fault detection
- Built-in charger for sealed lead acid or gel type batteries
- Zero voltage drop when switching over to battery backup
- Automatic switchover to stand-by battery when AC fails
- Thermal and short circuit protection with auto reset
- Circuit breaker battery protection
- Input and output status LED indicators



- AC fail supervision (Form "C" contact, 1 amp 28VDC or 115VAC)
- Battery presence and low battery supervision (Form "C" contact, 1 amp / 28VDC or 115VAC)
- Unit includes power supply, red enclosure, cam lock, open frame transformer and battery leads
- Enclosure dimensions: 15.5"H x 12"W x 4.5" D

#### Overview

The APS600 is an extremely cost effective 6.5 amps voltage regulated remote power supply / battery charger. The APS600 may be connected to any 12 or 24 volt fire alarm control panel (FACP). Primary applications include Notification Appliance Circuit (NAC) expansion (supports ADA requirements) and will provide auxiliary power to support system accessories. The unit delivers regulated and filtered 24 or 12 volt power via four (4) Class B, two (2) Class A or two (2) Class B and one (1) Class A Notification Appliance Circuits. Additionally, a separate 50mA auxiliary output with reset for four (4)-wire smoke detectors. The 6.5 amps continuous supply current can be divided between the four (4) outputs for powering notification appliances. Each output is rated at 2 amps max. An individual output of 4 amps is achieved by paralleling 2 outputs. The APS600 in non-alarm condition provides independent loop supervision for Class A and/or Class B FACP NAC circuits. In the event of a loop trouble the FACP will be notified via the APS600's steered input (input 1 or input 2). In addition, there are common trouble output terminals (NC, C, NO) which are used to indicate general loop / system trouble. A common trouble input is provided for optional NC (normally closed) devices to report trouble to the FACP. Two (2) FACP signaling outputs can be connected to APS600's inputs. These inputs can then be directed to control supervision and power delivery to any combination of the (4) outputs.

