

Model PS71090-P8

2W NFPA Public Safety Signal Booster



Model Number

- PS71090-P8

Item Number

- CS14-000-802

Frequency Range

- Uplink 806-809 / 806-816 / 806-824 MHz
- Downlink 851-854 / 851-861 / 851-869 MHz

Product Features

- Supports Sub-Bands in 800 MHz
- Passband Options
 - UL 806-809/DL 851-854 MHz (3 MHz)
 - UL 806-816/DL 851-861 MHz (10MHz)
 - UL 806-824/DL 851-869 MHz (18 MHz)
- NFPA 72/1221 Compliant Class B Amplifier
- 33 dBm (2W) Power Output DL/UL
- 90 dB Gain
- UL Listed
- Low Power Consumption
- Sharp SAW Filtering Reduces Interference from Competing Signals
- Easy to Install and Maintain
- Dry Contacts for Fire panel connection
- Supports digital and analog modulation including P25 phase 1 & 2

Oscillation Detection and Automatic Gain Control (AGC)

- Built-in Oscillation Control and Self-healing
- Shutdown in the Event of Non-Correctable Conditions



PS71090-P8 PS-SMR 800

Supported Alarms via NMS

- System (PLL)
- Isolation
- PA Shutdown (UL/DL)
- Power Failure
- Antenna UL/DL VSWR (*Can be disabled*)
- Manual Amp Off
- Single Summary Alarm

Supported LED Status

- Power
- Isolation
- Oscillation (OSC)
- Alarm





PS71090 P8: 2W NFPA Public Safety Signal Booster

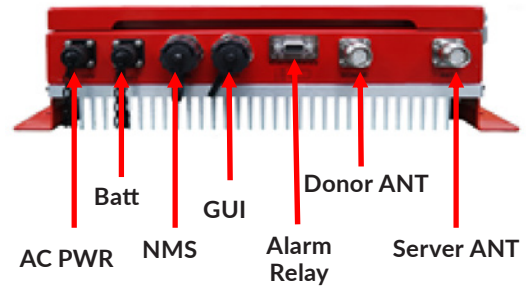
Electrical Specifications

Main Power Input	110 VAC
Battery Power Input	24 VDC to 30 VDC
Power Consumption	AC: <0.9A, <10W Max DC: <2.7A, 65W Max (24 VDC)
Output Power (UL/DL)	+33 dBm (2W)
Gain	90 dB
Propagation Delay	<4μ
Noise Figure @ Max Gain	<5 dB Typ.
AGC Dynamic Range	25 dB
Gain Adjustment Range	30 dB ±1 dB
VSWR	<2:1



Mechanical Specifications

Dimensions (H x W x D)	17.7 x 14.1 x 4.7 in
Approximate Weight	37 lbs.
Mounting	Wall-mount
Weatherproofing	IP65/NEMA Type 4
Connectors	
Antenna Ports	4.3-10 (F)
User Interface: GUI & SNMP	RJ-45
Alarm Relay	9-Pin D-SUB, Female
Operating Temperature	-30° to 50° C



Dry Contact Alarms

Alarm One	AC/DC Power/System
Alarm Two	Active RF Emitting Device Malfunction/Power Amplifier System Failure
Alarm Three	Donor/Server Antenna Malfunction VSWR

