

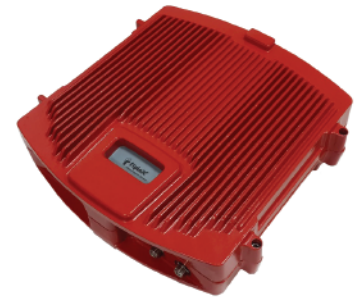
PUBLIC SAFETY BANDWIDTH ADJUSTABLE SIGNAL BOOSTERS

PS 800 MHz • Class B

HS24V
HS30V
HS37V

Product Features

- IF SAW filtering, sharp filtering, outstanding out of band rejection
- Band Selective, Bandwidth adjustable by software
- Uplink squelch, programmable
- Antenna isolation control
- User adjustable gain control, UL and DL independent
- Automatic Gain Control
- NFPA compliant
- Weatherproof enclosure, IP67/NEMA4X



Public Safety Bandwidth Adjustable
Signal Boosters

Applications

- For P25, TETRA, DMR, NXDN and Conventional systems
- Buildings, tunnels, stadiums
- Passive DAS
- Leaky cable networks



RF Specification

Type	Band Selective Signal Boosters, BW Adjustable		
Frequency range	806-824 / 851-869 MHz		
Passband BW	500 KHz to fullband, software adjustable		
Gain, maximum	HS24V: 70dB	HS30V: 80dB	HS37V: 80dB
Passband ripple	+/- 2.0 dB		
Gain, manual control	20dB range, digitally controlled in 1dB steps		
Antenna isolation control, gain adjustment	0 to 20 dB		
AGC range	0 to 40 dB		
Composite output power, DL	HS24V: +24dBm	HS30V: +30dBm	HS37V: +37dBm
Composite output power, UL	+24dBm		
IM generation	< -13dBm		
Noise figure, in dB	7.0 max at maximum output power		
Impedance	50 Ω		
Group delay	8uS max		
Connectors	N(f) as standard		
VSWR at operating frequencies	1.5:1 max		
Uplink squelch function	Yes, user selectable, to avoid UL noise when no carriers present		

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Supervising Specifications

Value

Self diagnostic platform	Microprocessor based
Alarms	Yes, amplifiers status, power amplifiers status, power supply failure, temperature, AGC, RF overload, poor antenna isolation.
Local management and supervising	Local access via USB
Remote management and supervising	Remote access via Ethernet and wireless modem, option RC-G (FIPLEX OMS)
RoHS compliance	Yes

Electrical Specifications

Value

AC Supply	110/220 VAC 50/60 Hz
Power Consumption	HS24V: 40W HS30V: 75W HS37V: 200W
DC Supply	See table
Housing	IP67 / NEMA4X
Temperature range	-22° to 140° F • -30° to +60° C
Dimension	HS24V y HS30V: 15.3 x 15.3 x 3.5 inches • 390 x 390 x 90 mm HS37V: 20.2 x 18.2 x 9 inches • 514 x 462 x 230mm
Weight	HS24V y HS30V: 39.7 lbs • 18 kg HS37V: 55 lbs • 25 kg
Mounting	Wall and pole mounting as standard.
MTBF	>50.000 hours

MODELO	NFPA	RC-G	110-220VAC	+24VDC	-48VDC
HS24V-005	X		X		
HS24V-006	X			X	
HS24V-007	X				X
HS24V-011	X	X	X		
HS24V-012	X	X		X	
HS24V-013	X	X			X

MODELO	NFPA	RC-G	110-220VAC	+24VDC	-48VDC
HS30V-004	X		X		
HS30V-005	X			X	
HS30V-006	X				X
HS30V-010	X	X	X		
HS30V-011	X	X		X	
HS30V-012	X	X			X

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MODELO	NFPA	RC-G	110-220VAC	+24VDC	-48VDC
HS37V-004	X		X		
HS37V-005	X			X	
HS37V-006	X				X
HS37V-010	X	X	X		
HS37V-011	X	X		X	
HS37V-012	X	X			X