

# UHF BAND SELECTIVE ADJUSTABLE SIGNAL BOOSTERS

## 380 - 430 MHz • Class B

**DH424V**  
**DH430V**

### Product Features

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



UHF Signal Boosters, Band Selective

### Applications

- Buildings, tunnels, stadiums
- Passive DAS
- Leaky cable networks



### RF Specification

Type	Band Selective Signal Boosters, BW Adjustable	
Frequency range	380 – 430 MHz	
Passband BW	2MHz max BW for 5MHz min split 5MHz max BW for 10MHz min split	
Downlink to Uplink separation, min	5 MHz or 10 MHz	
Gain, maximum	80dB	
Passband ripple	+/- 3 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	DH424-V: +24dBm	DH430V: +30dBm
Composite output power, UL	+24dBm	
IM and spurs	< -13 dBm according to output power	
Noise figure, in dB	9dB at maximum gain	
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, battery backup failure, temperature, AGC, RF overload.
Local management and supervising	Local access via USB and Ethernet
Remote management and supervising	Optional 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	DH424V: 80W                      DH430V: 100W
DC Supply	Optional, see table
Housing	NEMA4X
Temperature range	-22° to 140° F • -30° to +60° C
Size, WxDxH	20 x 18.1 x 9 inches • 514 x 462 x 230 mm
Weight	55.1 lbs • 25 kg
Mounting	Wall mounting
MTBF	>50,000 hours

MODEL	NFPA	RC-G	110-220VAC	+24VDC	-48VDC	4 PORTS	INTERNAL DPX 0.7/3	INTERNAL DPX 2/5	INTERNAL DPX 5/10
DH424V-268	X		X					X	
DH424V-269	X			X				X	
DH424V-270	X				X			X	
DH424V-271	X		X						X
DH424V-272	X			X					X
DH424V-273	X				X				X
DH430V-268	X	X	X						X
DH430V-269	X	X		X					X
DH430V-270	X	X			X				X

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