



# GUARDIAN3 QR - Quick Response™



Industrial Use



Public Safety Bands (PSB)



100+ Users Per Band

## Public Safety Communications Signal Amplifier

### Overview

SureCall's latest innovation, the Guardian3 QR, is a tri-band bi-directional amplifier that services the full Public Safety 700 MHz (FirstNet Ready) and 800 MHz bands as well as 900 MHz SMR (Specialized Mobile Radio Service). The Guardian3 QR meets Chapter 24 of NFPA 72, 1221 and IFC 510 standards, improving weak First Responder signals for critical and non-critical areas within the building.

### Unique Features

- Provides improved coverage for Public Safety 700 MHz (FirstNet Ready) and 800 MHz bands as well as 900 MHz SMR
- 80 dB wide-band amplifier
- Meets Chapter 24 Emergency Communications System of NFPA 72, 1221 and IFC 510
- NEMA 4 rated amplifier housing. No additional NEMA enclosure(s) needed
- Features built-in SureCall Sentry remote monitoring system with Ethernet port
- Integrated 7-pin alarm
- UPS port for external battery backup
- Energy-saving operation allows bands to remain dormant when not in use
- Automatic gain control (AGC)
- A/C 110V or D/C 16-24V power option
- Independently adjustable frequency attenuation for uplink and downlink
  - » Reduce gain in -1 dBm increments

### Ideal Applications

- » Commercial
- » Hospitality
- » Hotels
- » Education
- » House of Worship
- » MDU's



SureCall Guardian3 QR Bi-Directional Amplifier with Nema4 Rated Enclosure

### Key Product Specifications

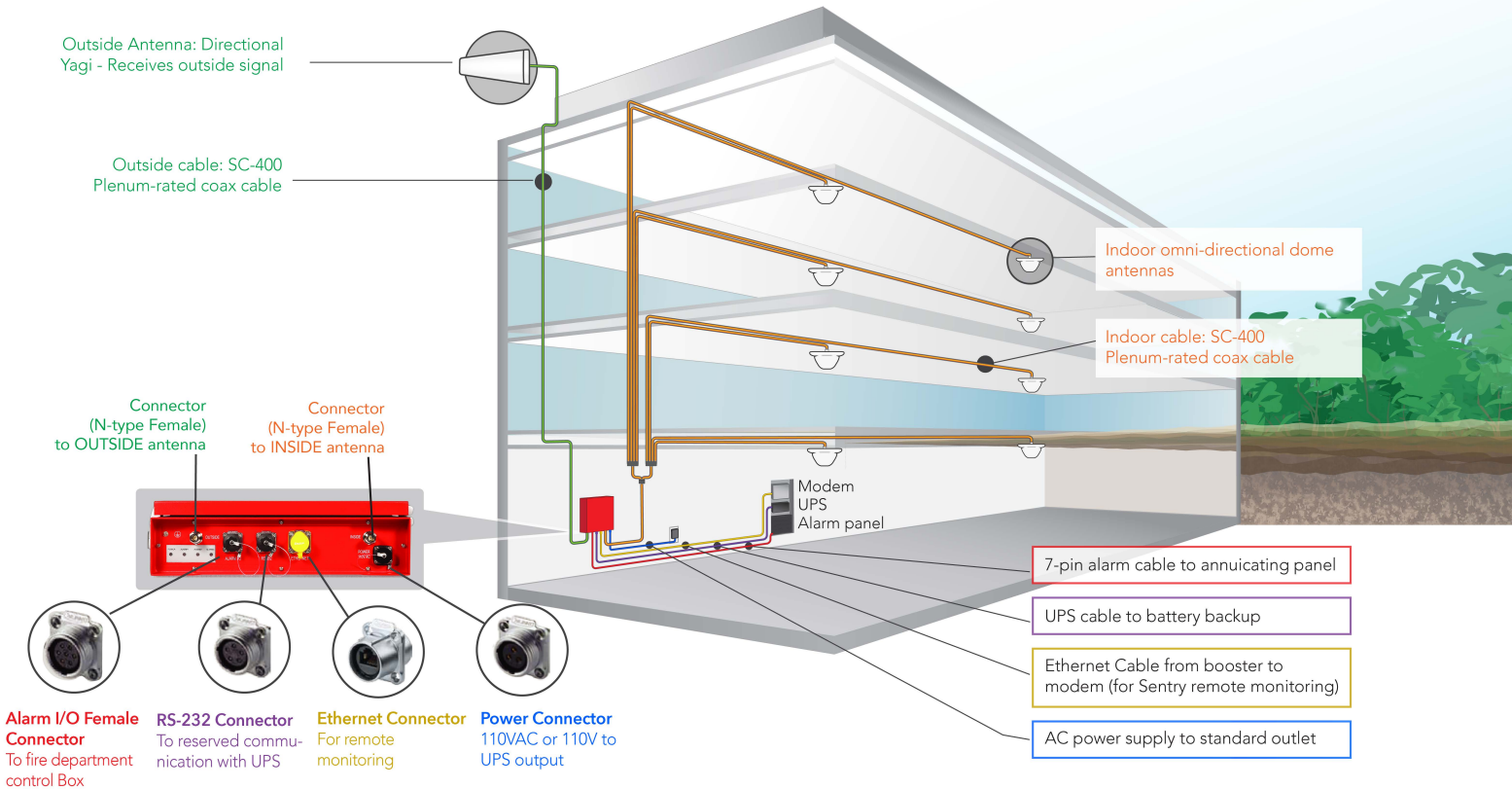
Uplink Frequency Range:	788-805 / 806-824 / 896-901 (Including D Block)
Downlink Frequency Range:	758-775 / 851-869 / 935-940 (Including D Block)
Supported Standards:	Public Safety 700 and 800 and SMR 900
Maximum Gain: Gain	80 dB
Adjustment: Noise	31 dB
Figure:	≤ 8 dB
VSWR:	≤ 2.0
Maximum RF Output Power:	26 dBm
P1dB:	31.5 dBm
RF Connectors:	N Female (both ends)
Power Consumption:	50W



Guardian3 QR | 3-8-2018 v2.5



# GUARDIAN3 QR™



Product Name / Part	Guardian3 QR / SC-TriPSBS-80-QR
Uplink Frequency Range (MHz):	788-805 / 806-824 / 896-901 (Including D Block)
Downlink Frequency Range(MHz):	758-775 / 851-869 / 935-940 (Including D Block)
Maximum Gain:	80 dB
Gain Adjustment:	31 dB
Noise Figure:	≤ 8 dB
VSWR:	≤ 2.0
Supported Standards:	Public Safety 700 and 800, and SMR 900
Power Input:	D/C 16-24V or A/C 110V, 60 Hz
Maximum RF Output Power:	26 dBm
P1dB:	31.5 dBm
Cable:	SC-400 (not provided)
RF Connectors:	N Female (both ends)
Power Consumption:	50W
Operating Temperature:	-4°F to +131°F
Dimensions:	21.5 x 17 x 6 inches
Weight:	49.6 lbs.
FCC (USA):	RSNFORCE3-PSB

Specifications are subject to change. Specifications contained within apply only to products meeting the latest FCC Certification Guidelines of 2/20/2013.

**WARNING.** This is NOT a CONSUMER device. It is designed for installation by FCC LICENSEES and QUALIFIED INSTALLERS. You MUST have an FCC LICENSE or express consent of an FCC Licensee to operate this device. Unauthorized use may result in significant forfeiture penalties, including penalties in excess of \$100,000 for each continuing violation.