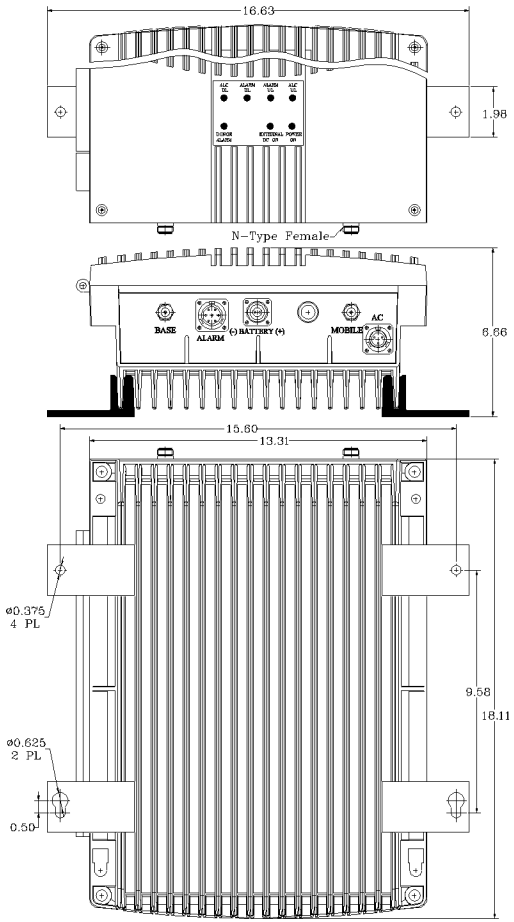
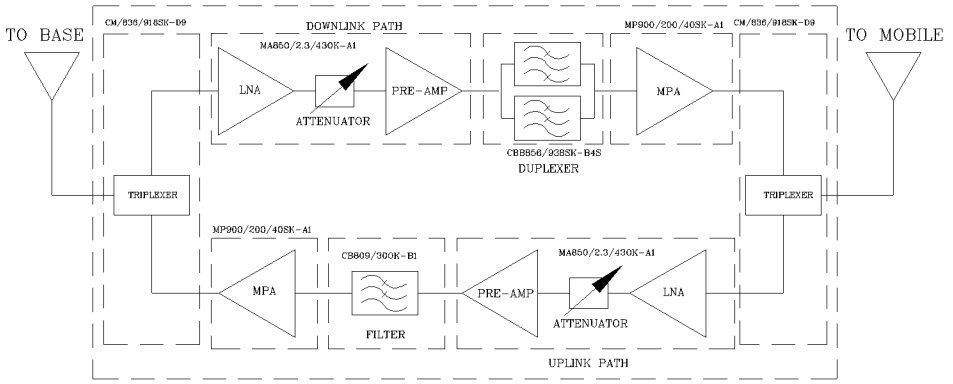
REVISIONS			
REV		DATE	APPROVED
A	Linearity and power upgraded (PS8-25/33)	11/12	G. David



AVAILABLE OPTIONS	Description
O26	Standard NFPA Compliant Local Alarming via 26-Pin Connector
S1	External +24 to +26.5 VDC Back Up
D	Cannon Type AC Connector (No AC/DC Protections)
RED	RED Enclosure

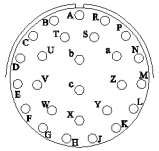


Electrical Specifications

*Down-Link (Base to Mobile) Frequency Range [MHz]		:	851 - 861
		:	935 - 941
*Up-Link (Mobile to Base) Frequency Range [MHz]		:	806 - 816
		:	896 - 902
*Gain (Minimum attenuation) [dB]		:	80 (Min.), 85 (Typ.)
*Attenuation Downlink @ 862 to 869 MHz [dBc]		:	30 (Typ.)
*Gain Flatness [dB]		:	+/- 1.5 (Typ.)
*Noise Figure (System) [dB]		:	5.5 (Max.), 5.0 (Typ.)
*Manual Attenuation Range [dB]		:	0 - 30 in 2-dB steps
*Output Power ALC Set [dBm]	Uplink	:	+27±1
	Downlink	:	+33±1
*Output Composite Power [dBm]	Uplink	:	+27 (Typ.)
	Downlink	:	+33 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 24 dBm each	Uplink	:	+48 (Typ.)
*3rd Order Output Intercept Point [dBm] @ 2 tones + 30 dBm each	Downlink	:	+52 (Typ.)
*Power Supply		:	110V/0.51A to 220V/.26A (Autoranging) 50 to 60 Hz
*Propagation Delay [uSec]		:	<0.3
*Input/Output Impedance		:	50 ohm
*VSWR IN/OUT		:	<1.5:1
*Net Weight		:	< 18 kg/ 40 lb
*PAINT: FLAT EPOXY BROWN			

OPERATING TEMPERATURE RANGE: −30°C TO +55°C

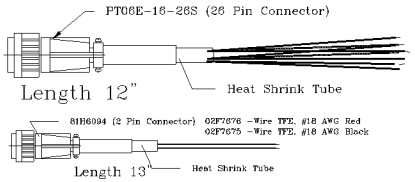
PIN OUT NFPA O26



PIN #	DESCRIPTION
A	1-NO DL/UL Current Alarm
B	1-COM DL/UL Current Alarm
C	1-NC DL/UL Current Alarm
D	2-NO Donor Antenna Alarm
E	2-COM Donor Antenna Alarm
F	2-NC Donor Antenna Alarm
G	3-NO DC Backup Alarm
H	3-COM DC Backup Alarm
J	3-NC DC Backup Alarm
K	
L	
M	
N	GND
P	GND
R	+12 VDC 200mA
S	+12 VDC 200mA (STNB)

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.

WITHOUT INCLUSION OF ACSP OPTION, THIS UNIT MAY NOT BE POWERED BY A GENERATOR.



SKU # 11602294

DC Current Draw @ +24VDC: 1.87A

NEMA 4 ENCLOSURE

FCC ID: Q8KESMR2W80AN89R

DIMENSIONS ARE IN INCHES. TOLERANCES ARE: ANGLES ± 1° DECIMALS .X ± .05 .XX ± .01 .XXX ± .003	CONTRACT NO:		**G-Wave Solutions**
	APPROVALS	DATE	TITLE NFPA 800/900 MHz BDA
	DRAWN Sivak	06/14	BDA-PS8NEPS/N/PS9-27/33-80-C
TREATMENT	CHECKED		SIZE A | CAGE CODE | DWG NO: BDA-PS8NEPS/N/PS9-27/33-80-C-1 | REV. A
FINISH 63	ENG.		
MATERIAL	DESIGN ACTIVITY		SCALE None | SHEET 1 OF 1