SPS-v9S HP Alphanumeric Paging System

An "All-in-One" High Power 25-watt Paging Transmitter

The WaveWare SPS-v9S HP is the First All-in-One 25-watt Model of our Line of Alphanumeric Paging Systems. This New Transmitter is Rated as 80% Duty Cycle and works well for use for Multi-Story Buildings and Large Campus Sites.

The SPS-v9S HP includes a Thermally Controlled Cooling Fan Kit, which Cycles On/Off as Required to keep the Transmitter at its Operating Temperature and also offers a "Test Fan" Feature.

The SPS-v9S HP Includes a Rubber Duck Antenna. Includes a Heavy Duty 15 Amp Power Supply with Wire Harness. You can also Purchase the Optional Antenna Kit, which includes: The 25-Feet of Coax Cable and Antenna Mounting Hardware.

This New High Power 25-watt Model Transmitter offers the same Model v9S Encoder Board, offering a RS-232 Single Serial Com Port.

"Enhancing Mobile Alert Response"

Visit Our Website at:
www.WirelessMessaging.com

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Features:

The Superior Features of the WaveWare SPS-v9S HP Paging System Include:

- Serial RS-232 Com Port (DB-9 Female) – Qty. 1
- Supports TAP, COMP1, COMP2, SCOPE, SNPP and WaveWare Proprietary Interface Protocols
- Compatible with Industry Standard POCSAG Pagers
- Supports POCSAG Alphanumeric, Numeric and Tone / Vibrate Messaging at RF Data Rates of 512, 1200 and 2400 bps
- Available in UHF Models (400-430 MHZ and 440-470 MHz) or VHF (138-174 MHz)
- Supports TAP Interface Protocol v1.8 with Enhancements Including Control Character Embedding, Extended Pager ID Processing and Function Code Control
- Programmable EEPROM Based Pager Database using Windows Based Programming Software (Available as a Download from our Website) Pager Database can be Bypassed using Unique Extended Pager ID Formatting Methods
- Programmable Serial Com Port Settings and Protocols
- Pagers and FCC Site Licensing Services are also Available
- Station ID Transmission
- Available as One Single Frequency Only

- NOTE: The Single 25-watt Frequency is Not Field Programmable or Changeable.

P/N= 0100-3601 25 watts

Compatibility:

The WW SPS-v9S HP Alphanumeric Paging System is Compatible with Many Host Systems. Including:

- A Variety of Nurse Call Systems
- Fire Alarm Monitoring Panels
- Alarm Contact Monitoring Systems
- A Variety of Security Systems
- Plus other WaveWare Products, Including: The STG, MARS and the SNAP-Systems

SPS-v9S HP Alphanumeric Paging System

Beneficial Features: *(Inlcudes: 80% Duty Cycle Radio Transceiver with Heat Sink / Fan Kit Combo)*

The WaveWare SPS-v9S HP Alphanumeric Paging System offers many Beneficial Features, also Includes:

- **Serial Connectivity – Configurable by way of PC Software (Available at: www.WirelessMessaging.com)**
- **Economical, offering On-Site Paging of Facility/Campus, by Eliminating Wide Area Paging Service Fees**
- **Long Range Campus Wide Coverage (A 25 watt System Provides up to a 4 to 5 mile "Line of Site" with Coverage Dependent upon the Local On-Site Conditions of each Facility/Campus)**
- **Supports Alphanumeric, Numeric, and Tone / Vibe Messages**
- **Supports Paging RF Data Rates of 512, 1200, and 2400 bps, with Data Rate Auto Switching**
- **Industry Compatibility using a choice of Several Industry Standard Interface Protocols**
- **Pager Database can be Programmed into On-Board EEPROM using Windows Based Programming Software, available as a Download from our Website. System can Operate without On-Board Pager Database using Extended Pager ID Formatting Method.**
- **Shared Use FCC Site Licensing available for UHF Models when Operated within the USA**

System Specifications: NOTE: Frequency is Not Field Programmble, 1 Frequency Only

- **Model Number: SPS-v9S HP UHF (Default) and the SPS-v9S HP VHF (Optional)**
- **Part Number: 0100-3601 or 0100-3601A (Note: A= Includes the Optional UHF External Antenna Kit)**
- **UHF Frequencies are Default (Please State: VHF, if Required and this would be a Special Order item)**
- **Serial RS-232 Com Port: Standard Single Serial DB-9 Female Com Port**
- **Serial Port Configuration: 300, 1200, 2400 or 9600 Baud and Even or No Parity and 7 or 8 Bits**
- **Rubber Duck Antenna is Included and the Connection Type is BNC Female**
- **Paging Message Types: POCSAG Tone / Vibrate, Numeric and Alphanumeric**
- **RF Data Rate: 512, 1200 and 2400 bps Auto-Switching**
- **Pager Database: 5,000 Plus EEPROM Programmable using Windows PC Software**
- **Interface Paging Protocols: TAP, COMP1, COMP2, SCOPE, SNPP and WaveWare Proprietary Protocols**
- **All Programmable using Encoder Programming Software (Available as a Download from our Website)**
- **Frequency Source: Synthesized Transceiver - Ritron**
- **Frequency Range: UHF (450-470 MHz) and VHF (150-170 MHz)   Note: VHF is Special Order Only**
- **Frequency Stability: Models UHF ± 2.5 ppm, VHF ± 5.0 ppm**
- **Operations Rating: Intermittent, 80% Duty Cycle with Fan Kit**
- **Power Supply: 13.4vDC – Rated at 15 Amp (or Higher) AC / DC Converter with Built-in Cooling Fan**
- **Operating Temperature: 22º F to 120º F**
- **Modulation Deviation: ± 2.5 KHz (Narrowband)**
- **Bandwidth: 12.5 KHz (Narrowband)**
- **RF Power Out (Watts): 5 to 25 Watts ("Factory Preset" and offers a Single Frequency Only)**
- **Transmitter DTX-465-0BN301 FCC ID: UHF = AIERIT34-4650 (Ritron)**
- **Transmitter DTX-465-0BN301 Canada ID: NOTE: Canadian Approval Not yet Available**
- **Enclosure Dimensions: Approx. 11" (H) x 10" (W) x 3.5" (D) with Vents**
- **Weight: Approx. 20.0 lbs. (Including the Antenna, P/S, Cables)**

Packaging:

The SPS-v9S HP Comes Packaged with Everything you need to Configure and Install the System. Including:

- **Qty. One - Rubber Duck Antenna with BNC Male Connector**
- **Qty. One - 6 ft. Std. RS-232 Serial Cable (DB-9 Male to Female)**
- **13.4vDC Power Supply - 15 Amp AC / DC Converter with Power Harness to Connect to the Transmitter**
- **Transmitter Mounting Hardware - Screws and Plastic Wall Anchors**
- **Optional External Fiberglass Antenna Kit - (If Ordered as part of the Complete Package)**

SPS-v9S and v9E HP Power Supply

Model: DuraComm DPS-15 - Power Supply – AC / DC Converter

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PN= 0000-0964

The DuraComm **DPS-15** is used with the WaveWare SPS v9S HP and SPS v9E HP Series High Power Paging Transmitters.

Specifications:
- The DPS-15 Power Supply converts 120-130 VAC to 13.8 Volts DC Voltage.
     Providing up to **15 Amps** to Equipment Designed to run on 12 volts DC Systems.
- Filtered and Regulated
     The Unit will Maintain Regulation with Input Voltages from 120-130 VAC and an Input Frequency Range of 47-63 Hz.
- Automatic Shutdown on Low AC Voltage
- Forced Air Cooling
- Fused Output
- UL Listed

Important Information:

- DO NOT Block any Opening in the case or Operate the unit in a Hot Enclosed Environment or Compartment.
- Be sure adequate Ventilation is provided since Heat-Build-up will Shorten Component Life.
     Note: Most Audio and Radio Equipment draws much less Average Current than Peak Demand.
- If the unit Stops working, check All the Connections for Tightness and check all External Wiring to the Transmitter.
- If the Power Supply Stops Repeatedly, Verify the Equipment connected does Not Exceed the Power Supply Ratings.
     If the Problem persists, have the unit checked by a Qualified Technician and/or Contact WaveWare Tech Support.
- Under No Circumstance should more than 130 VAC be Applied to this Unit.

Installation Information: (-Do Not Disassemble this Unit-)

- Important Note: Install the DPS-15 Power Supply at least **3 Feet away** from the v9S-HP and v9E-HP Transmitters.
- Mount the DPS-15 unit using only the Holes located in the Built-in Mounting Flanges provided.

- The Transmitter Wire Harness is already Pre-Attached and Strained Relief to the Metal Case.
     Note: There should be "No Reason" to Remove this Wire Harness.
- This DPS Power Supply has a Thermostatically Controlled Fan System. It can be installed in any Position.
     However, the Best Mounting Position for the DPS-15 is Vertical with the Terminals facing up.
     This Position provides the most effective Cooling for the unit.
- When mounting, leave at least One inch (1") Clearance on each End and for "Both", Sides and Top.
- When the Internal or Ambient Temperature exceeds 45 Degrees C (115 F) then the Cooling Fan is activated.
- Insert the AC Plug into an AC Outlet of the Proper Voltage. If not working check the Outlet.
- The DPS Power Supply has a Replaceable External Blade Fuse that will act in the case of Catastrophic Failure.
     Do Not Replace with a Higher Amperage Rated Fuse.