![KP WIRELESS DATA SOLUTIONS logo]

MATS/MATSU™
LONG RANGE RF
Mini Alarm Transmitter

Interface with any alarm panel for FULL CONTACT ID reporting | FCC, CE & EN approved | Synthesized VHF and UHF units | Double frequencies for backup and extra security | Compact and easy to install | Field programmable via Hand-held or laptop | 7 dry contact inputs | Built-in 7AH battery charger

The MATS™ (VHF 136-174 MHz) and MATSU™ (UHF 430-470 MHz) units are a new generation of advanced, high-performance, RF alarm transmitters. Manufactured using the latest SMD technology. The MATS/MATSU™ unit delivers a winning combination of reliability and cost.

Compact in form but powerful in performance, the MATS/MATSU™ family offers Full Contact-ID reporting over a long-range wireless link or long-range wireless links to the Central Station. Field programming allows installer to set up parameters such as ID, frequencies, periodic test, power output, etc.

Flexibility allows using MATS/MATSU™ in any configuration - use it combined with any alarm panel to report full data, or as a stand-alone transmitter for panic button or guard control applications.

Reliability was the major factor taken into consideration during development of the MATS/MATSU™, resulting in many built-in features such as double frequency reporting and unique error checking and data protection.

The proof is in the product – almost two million MATS/MATSU™ units successfully deployed worldwide.

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Product Specifications

GENERAL

Power Supply	AC 16V input (charger), DC input 10-15 VDC, 18mA standby
Operating Temp.	-30°C to 60°C (-22°F to 140°F)
Storage Temp.	-40°C to 70°C (-4°F to 158°F)

RF TRANSMITTER

Frequency	VHF: 136-174 MHz UHF: 430-470 MHz
Modulation	FM, FSK & PWM
Power Output	VHF: 5W UHF: 3W
Frequency Stability	±5 ppm at -30°C to 60°C (-22°F to 140°F)
Deviation (factory adjusted)	±2.0 for 12.5 KHz bands
Output Impedance	50Ω BNC connector

PROTOCOLS

Encoding	32 bit words in LARS and LARSI protocol, with BCH and PARITY 64 bit words in LARSII protocol

Ordering Information

Part Number	Description
MATS/U	Mini Alarm Transmitter, VHF/ UHF, 7 inputs, PCB Only+ANT015
MATSB/UB	Mini Alarm Transmitter, UHF/ VHF, 7 Inputs, Housed
MATSBDI/UBDI	Mini Alarm Transmitter, VHF/ UHF, 7 Inputs + DI100, Housed