



WIRELESSDATASOLUTIONS MATSHTM Long Range RF Alarm Transmitter User Manual

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WIRELESSDATASOLUTIONS MATSHTM Long Range RF Alarm Transmitter



Product Information

The MATSH Long Range RF Alarm Transmitter is a compact device that can interface with any alarm panel for full contact ID reporting. It is FCC, CE & EN approved and easy to install. It has 7 dry contact inputs and double frequencies for backup and extra security. This transmitter can be used in any configuration – combined with any alarm panel to report full data or as a stand-alone transmitter for panic.

Specifications

- **Power Supply:** AC 16V input (charger), DC input 10.5-14.5 VDC, 18mA standby
- **Operating Temperature:** N/A
- **Storage Temperature:** N/A
- **Protocols:** 32 bit words in LARS and LARSI protocol with BCH and PARITY. 64 bit words in LARSII protocol.
- **RF Transmitter:** Frequency Modulation Power Output Frequency Stability, Deviation (factory adjusted) Output Impedance, 50 BNC connector Antenna
- **Ordering Information:** Part Number MATSH,
Description Mini Alarm Transmitter, VHF 136-174MHz, 7 inputs,
Fitted with Base & Cover; MATSHDI Mini Alarm Transmitter, VHF 136-174MHz, 7 inputs, Fitted with Base & Cover & DI

Product Usage Instructions

To use the MATSH Long Range RF Alarm Transmitter, follow these steps:

1. Connect the power supply to the transmitter using AC 16V input or DC input 10.5-14.5 VDC.
2. Install the transmitter in your desired location. It is compact and easy to install.
3. The transmitter has 7 dry contact inputs that can be used to interface with any alarm panel for full contact ID reporting.
4. If you do not have an alarm panel, you can use the transmitter as a stand-alone device for panic reporting.
5. The transmitter is field programmable via handheld or laptop, allowing for flexibility in its configuration.
6. Ensure that the transmitter is FCC, CE & EN approved before use.

If you have any questions or concerns about the installation or usage of the MATSH Long Range RF Alarm Transmitter, please contact
KP Electronic Systems Ltd at T: +972 4 9873066 or email info@kpsystems.com.

Interface with any alarm panel for FULL CONTACT ID reporting | FCC, CE & EN Approved | Compact and easy to install | Field programmable via Hand-held or laptop | 7 dry contact inputs | Double frequencies for backup and extra security

The MATSH™ (VHF 136-174 MHz) units are a new generation of advanced, high-performance, RF alarm transmitters. Manufactured using the latest SMD technology. The MATSH™ unit delivers a winning combination of reliability and cost. Compact in form but powerful in performance, the MATSH™ 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 MATSH™ 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 MATSH™, 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 MATSH™ units successfully deployed worldwide.

Product Specifications

GENERAL

- Power Supply AC 16V input (charger), DC input 10.5-14.5 VDC, 18mA standby
- Operating Temp. – 30°C to 60°C (-22°F to 140°F)
- Storage Temp. 40°C to 70°C (-40°F to 158°F)

RF TRANSMITTER

- Frequency VHF: 136-174 MHz
- Modulation FM, FSK & PWM
- Power Output VHF: 5W
- 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 50 Ω BNC connector Antenna

Adj. Ch. Selectivity

- 32 bit words in LARS and LARSI
- protocol with BCH and PARITY.
- 64 bit words in LARSII protocol.


Ordering Information



Part Number	Description
MATSH	Mini Alarm Transmitter, VHF 136-174MHz, 7 inputs, Fitted with Base & Cover
MATSHDI	Mini Alarm Transmitter, VHF 136-174MHz, 7 inputs, Fitted with Base & Cover & DI

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Documents / Resources



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MATSHTM Long Range RF Alarm Transmitter, MATSHTM, Long Range RF Alarm Transmitter, Alarm Transmitter