



MATSH™

LONG RANGE RF

Alarm Transmitter

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.

MATSH™

LONG RANGE RF

Alarm Transmitter

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) |

PROTOCOLS

| | |
|----------------------|--|
| Adj. Ch. Selectivity | 32 bit words in LARS and LARS I protocol with BCH and PARITY. 64 bit words in LARS II protocol. |
|----------------------|--|

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 | 50Ω BNC connector Antenna |



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 |