



# MATSH™

## LONG RANGE RF

### Mini 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 | Built-in 7AH battery charger*

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.

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### 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.
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#### 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 antenna connector



### Ordering Information

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