



# MATSUP™

## 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 | Synthesized UHF units | Double frequencies for backup and extra security*

#### ***In general:***

The MATSUP (High-Power) (UHF 430-470 MHz) units are a new generation of advanced, high-performance, RF alarm transmitters. Manufactured using the latest SMD technology. The MATSUP™ (High-Power) unit delivers a winning combination of reliability and cost. Compact in form but powerful in performance, the MATSUP™ (High-Power) units 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 MATSUP™ (High-Power) 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 MATSUP™ (High-Power), 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 MATSUP™ (High-Power) units successfully deployed worldwide.

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#### Product Specifications

##### GENERAL

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

##### RF TRANSMITTER

|                              |   |
|------------------------------|---|
| Frequency                    | UHF: 430-470 MHz                            |
| Modulation                   | FM, FSK & PWM                               |
| Power Output                 | VUHF: 7W                                    |
| Frequency Stability          | ±5 ppm at -30°C to 60°C<br>(-22°F to 140°F) |
| Deviation (factory adjusted) | ±2.0 for 12.5 KHz bands                     |
| Output Impedance             | 50Ω SMA connector<br>Antenna                |

##### PROTOCOLS

|          |                                 |
|----------|---------------------------------|
| Encoding | 64 bit words in LARSII protocol |
|----------|---------------------------------|



#### Ordering Information

| Part Number | Description   |
|-------------|---|
| MATSUBP     | Mini Alarm Transmitter High Power, UHF 430-470.9875MHz, 7 inputs, Housed      |
| MATSUBPDI   | Mini Alarm Transmitter High Power, UHF 430-470.9875MHz, 7 inputs + DI, Housed |