MATSC™
LONG RANGE RF
Cellular 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 | Built-in 7AH battery charger

In general:

The MATSC™ is an advanced, high performance, cellular alarm transmitter designed to complement KP's long range radio alarm system. The MATSC™ interfaces with any alarm panel in the market, enabling it to transfer full Contact ID data. The MATSC™ offers a secure and reliable solution based on the GSM cellular network. GPRS Receiver™ Software package which receives and decodes MATSC™ signals, eliminating the need to install an additional hardware receiver. The software is installed at the Central Monitoring Station and forwards the received messages from the MATSC™ to the alarm monitoring software. GUP5000™ software (General Utility Program) is used to program MATSC™ transmitters. Main parameters that are software configurable include: cellular provider, IP addresses, DNS name, event codes, backup options and many othersconfigurable include: cellular provider, IP addresses, DNS name, event codes, backup options and many others.

• Transmits as an independent unit (Primary) or as a backup for faulty telephone line (Secondary) using the DI100™ (Dialer Interface Unit) • Extensive internal tests (SIM Card, Low Battery and Communication) are reported to the Central Monitoring Station in a predefined time interval • Ping Test signal to verify MATSC™ status and alert the Central Monitoring Station of any service problems. Specially designed for high-level security applications • Central station notification in case of 10 continuous minutes of signal level deterioration • Parameter programming using dedicated GUP5000™ utility software • Can transmit in two operation modes: TCP/IP and SMS. • Dual reporting (2 different IP's) and multiple backup options • Optional DNS support for unfixed IP's • Send personal messages to up to three different numbers • Seven inputs with free text alarm messages via SMS to a specified number (and to the Central Monitoring Station in parallel if needed) • Four indication LEDs for transmitter status / transmission / signal strengt / network status

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Product Specifications

GENERAL

Power Supply	AC 16V input (charger), DC input 10.5-14.5 VDC, 40mA 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	4G bands: B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B25, B26, B27, B28, B66, B71, B85
	2G bands: B2-B3, B5, B8
Power Output	LTW: 23 dBm (Power Class 3)
	GMS/GPRS: 33dBm (Power Class 4)
Output Impedance	50Ω SMA antenna connector

PROTOCOLS

Data Transfer Method	GPRS
Operation Mode	TCP/IP, SMS
Data Protocols	Ademco 685, Contact ID

Ordering Information

Part Number	Description
MATSC (2G/4G)	Mini Alarm Transmitter Cellular 2ed/4th Generation, 7 inputs, PCB Only
MATSCH (2G/4G)	Mini Alarm Transmitter Cellular 2ed/4th Generation, 7 inputs, Fitted with Base & Cover
MATSCHDI (2G/4G)	Mini Alarm Transmitter Cellular 2ed/4th Generation, 7 inputs, Fitted with Base, Cover & DI100
MATSCB (2G/4G)	Mini Alarm Transmitter Cellular 2ed /4 th Generation, 7 inputs, Housed + Antenna
MATSCBDI (2G/4G)	Mini Alarm Transmitter Cellular 2ed /4 th Generation, 7 inputs + DI100, Housed + Antenna

* Each part number can be ordered as 2G or 4G

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