# PRODUCT DATA SHEET

## SMS-ALARM-UNIT
## EMT9140 3G 4G AUS

## FEATURES

- ✓ SMS Alarm from up to 7 inputs
- ✓ SMS to 5 programmable mobile phone numbers
- ✓ SIM slot on rear of unit - Full SIM card required
- ✓ The unit can take up to 7 clean contact inputs
- ✓ Has 2 antenna connections (primary/backup)
- ✓ 700 MHz Band 28 / 4GX compatible - fallback to 3G
- ✓ Operates on 5-35V power input
- ✓ Low power mode for battery operation
- ✓ RJ45 Flylead for easy connection to FIP relay contacts
- ✓ Supplied with Antenna and Magnetic Base

## PRODUCT DESCRIPTION

The SMS-ALARM-UNIT is a device designed for SMS alarm and remote monitoring suitable for Fire System applications. The unit comes with a 4G/3G mobile interface, flyleads and an antenna.

The SMS-ALARM-UNIT can provide notification to staff that an activation/fault/disable has occurred on their system via sending SMS messages. The SMS-ALARM UNIT sends a custom SMS message when any of its inputs are activated. It also can send a 'cleared' message when the input has been restored.

Whilst the information provided is not as detailed as other high level options, the setup is simple as there is no need for complicated connections to the FIP, setting up internet connections, firewalls etc. It is compatible with any system with clean contact relays and can take up to 7 inputs and SMS the message to up to 5 numbers. Labels and phone numbers can be programmed and also modified at a later date.

Typical applications include: Supplementary Fire Alarm Notifications, Fault Notifications etc.

*NOTE - This unit is only to be used for supplementary notifications – it is not to be used for Alarm Routing as it is not approved. This device is not a life safety device and relies on third party SMS networks.*

**A SIM subscription is to be organised by others and must be purchased elsewhere.*

*Note: This is an indent item, lead times may apply.*

## SETUP

Please advise Firesense of the phone number to be programmed as well as the configuration at time of order. The Fire Indicator Panel will need to have a clean contact output relay for each notification required.

Some examples of allocating the inputs are:

- ✓ Individual Zones [Z1, Z2, Z3, Z4, Z5, Z6, Z7]
- ✓ Individual Buildings [BLD A, BLD B, BLD C, BLD D, BLD E, BLD F, BLD G]
- ✓ Common Activates [Alarm, Fault, Isolate]
  *Note: All 7 inputs do not need to be utilised.*

Each SMS will include the Site Description along with the description of the channel input that has been activated.
*(Site Description Label can be up to 40 characters long / Activation / Cleared Labels for each input can be 31 Characters long)*


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## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Dimensions** | 105 x 56 x 25mm |
| **Weight** | 110g |
| **Power supply** | 5Vdc to 35Vdc |
| **Power consumption** | 600mA (rated), <250mA (transmitting), <35mA (idle), <0.15mA (sleep) |
| **Operating temperature** | -30°C to +70°C |
| **Module** | Cinterion ELS61-AUS |
| **Connectivity** | 4G and 3G |
| **Frequency** | Quad-band LTE: Bands 3, 5, 8, 28 (1800, 850, 900, 700 MHz) |
| **Tri-Band UMTS** | Bands 1, 5, 8 (WCDMA/FDD 2100, 850, 900 MHz) |
| **Antennas** | 2 x FME M antenna leads<br>FireSense to supply 1 x magnetic base antenna |
| **Interface** | RS232 serial connector (9DF), I/O Connector (RJ45), Power connector (RJ12) |
| **SMS Alarm** | 7 inputs plus power input monitoring, 5 phone numbers in phonebook |
| **Accessories** | Several types of antennas, leads and cables, power supply etc<br>By default FireSense will supply 1 x magnetic base antenna with a 3m cable (SMS-ANT-MAG) |

## ON-SITE CONNECTIONS

Connection to the Fire Indicator Panel can be achieved by connecting power as well as connecting the RJ45 flylead to the FIPs clean contact relays as per the details below. The common cable (brown) can then be commoned to each relay.

SMS-CABLE-IO - RJ45 Flylead details *(Based on a standard CAT5 cable)*

- ✓ I/P 1: Green/white
- ✓ I/P 2: Green
- ✓ I/P 3: Orange/white
- ✓ I/P 4: Blue
- ✓ I/P 5: Blue/white
- ✓ I/P 6: Orange
- ✓ I/P 7: Brown/white
- ✓ COMMON: Brown

Antenna requirements are subject to the 3G/4G Data Reception on site – if coverage is unlikely to be sufficient, an alternative antenna will need to be installed. An RG58 coax cable will also need to be run to provide a connection between the external antenna and the SMS Alarm unit. Cabling should be done by a contractor with coaxial cabling experience.

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## PROGRAMMING

- ✓ Modification to the program can be done via the 9140 Configuration Tool
- ✓ Change Site Label / Individual Input Labels / update phone numbers etc.
- ✓ Connection achieved via RS232 cable (straight through DB9 cable)
- ✓ Contact FireSense for Software and assistance in adjusting settings

## ORDERING INFORMATION

| FireSense Item Code | | Description |
|---|---|---|
| **SMS-ALARM-UNIT** | | |
| **(includes)** | SMS-TERMINAL | 9140 3G/4G AUS device |
| | SMS-CABLE-PWR | Power Cable<br>(for connection to FIP power) |
| | SMS-CABLE-IO | RJ45 Input Flylead - 8 cores |
| | SMS-ANT-MAG<br>(200mm high) | Magnetic Base Antenna<br>(comes with 3m RG174 Cable with FME F connector)<br>Ground Independent |
| **Other options** | Panel mounted antenna<br>(40mm high) | Low Profile Multi-band Panel Mount, Vandal Resistant, (Supplied with 1.5m adapter cable)<br>Ground DEPENDANT |
| | External antenna | High Gain Antenna – Comes with Bracket. RG58 cable and associated connectors are not included.<br>Ground Independent |
| | 240V to 15Vdc plug pack | Alternative power option |
| NOTE: Antennas that are not Ground Independent or make electrical contact with earth may produce an earth fault on the Fire Indicator Panel. The magnetic base antenna supplied by default does not have this issue. | | |

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