

# SENTINEL<sup>AX</sup>

embedded alert & response



## Multi-purpose GSM alarm and control modules

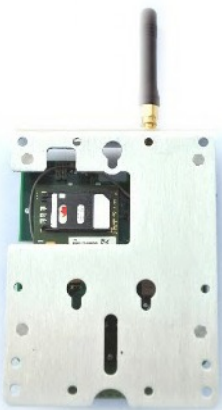
Version	Application
AX-FF	General Purpose Alarm Unit
AX-FD	Fire Alarm SMS Text Messenger
AX-SA	Phone Controlled Secure Access
AX-DA	GSM Panel Modem
AX-ER	Emergency Team Call-out**



ABS weatherproof IP65 enclosure



removable chassis and detachable terminal block



SIM access is restricted when installed

## Sentinel embedded modules

Sentinel is a growing range of low cost modules, primarily for alarm response, safety and controlled access applications. Sentinel will add text messaging and secure cell-phone control to many suitable devices and systems.

- Plant & equipment alarms
- Fire & building alarm text
- Phone controlled access
- Lone-worker / man-down
- Remote equipment control
- SMS message gateway
- Emergency Team Notification

## Versatile, secure and robust

The AX-range of GSM modules are supplied as wall, panel and DIN-rail mounted assemblies. A complete kit of installation parts is included. Setup is simple with short SMS commands.

- IP65 rated enclosure
- Chassis mounted
- Detachable terminals
- 12 or 24V polarity protected
- Choice of aerials and cabling
- Easy-text configuration
- Status indicator

## embedded alert & control

The Sentinel AX-range is part of Sigteq's BlueBox, automated alert and response products group, and is intended for embedded applications. The Sentinels text messages contain relevant information necessary to alert and inform. With up to 80\* cell-phone contacts, the Sentinel informs many fast. Simple to install, configure and maintain, and can source power directly from a suitable host panel. The Sentinel is ideal as a retrofit device for remote plant and equipment monitoring. Or as a team call-out module attached to a PC via a serial port.

\* dependent on version \*\* First Responder Software Included (PC required)

The Sentinel offers much more than alarm text messaging. It can utilise embedded control codes to activate other remote Sentinel units, controlling flood lighting, link alarm panels to a single control point, or trigger remote sounders. Virtually anything is possible with Sentinel. Secure phone controlled access aids security in dangerous locations. Sentinel reports fires and faults, and can assist with evacuation. Please visit [www.sigteq.com](http://www.sigteq.com) for further tips and application information.

# Sentinel AX Specifications

Physical Characteristics		
Dimensions		
Height	180 mm (without cable glands and aerial)	250 mm including cable glands and aerial
Width	95 mm	
Dept	50 mm	
Enclosure Kit	IP65 rated ABS Plastic	Wall, DIN rail or panel mountable
Weight	287	
0g	Excluding Cabling and Sim card	Temperature Range 0 to 60 degC
Interface		Versions
Digital Inputs	1 - 4 Alarm Inputs (Dry contact)	AX-FF, AX-FD
Relay Controlled Outputs (1 & 2)	1 amp (max)	AX-FF, AX-FD
Data	RS232, TTL, TAP, Wiegand, Clock and Data, AT.	AX-FD, AX-SA, AX-DA AX-ER.
Power Requirements		(Notes)
Voltage	10 to 30 Volt DC (Polarity Protected)	Source from host panel (see installation notes)
Current	1.5A @ 24V DC	
Status Indicators	Bi-colour LED with flash patterns	Fault & status flash matrix (see installation notes)
Configuration		
Setup	Simple SMS based configuration	
Contact List 1 to 4	Contact List 1 - 8 = 20 users Contact List Fire Panel = 20	User Programmable
Relay 1 & 2 controlled output	CLIP* & SMS	User Configurable
Restricted Access List	200 Contacts	
GSM	Telit Quad-band	Worldwide operation
Antenna	SMA Terminated Internal	External and Hi-gain antennas available
Compliance		

\* CLIP = Caller Line Identification Protocol

## Custom Applications

New versions are added regularly. SMS text notification is one of the most cost effective and reliable methods of reporting faults and status conditions. Sigteq can provide custom versions of the Sentinel for Fire and Gas alarms, BMS, TMS and Process controls applications, including bespoke software, hardware and 3D enclosure modelling.



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Dealer

## Model Table

Model	Digital Inputs	Relays	Data	Application
AX-FF-04	4	2	None	General Alarm & Control
AX-FF-08*	8	2	None	General Alarm & Control
AX-FD-ZP3	3	2	RS232	Ziton Fire alarm Panels
AX-FD-Idx	3	2	RS232	Notifier ID Fire Panels
AX-FD-Mor**	3	2	RS232	Morley Fire Alarm Panels
AX-FD-Adv**	4	2	RS232	Advance Fire Alarm Panels
AX-SA-W26*	0	2	CK,Data	Wiegand Access System
AX-SA-W32*	0	2	CK,Data	Wiegand Access System
AX-SA-CD*	0	2	CK,Data	Clock and Data Access System
AX-DA-AT*	0	0	RS232	Telit AT Command GSM Modem
ER-TAP	0	0	RS232	First Responder Team Call-out

\* Special Order \*\* Available soon



Due to a policy of continued improvement specifications may change without notice.