

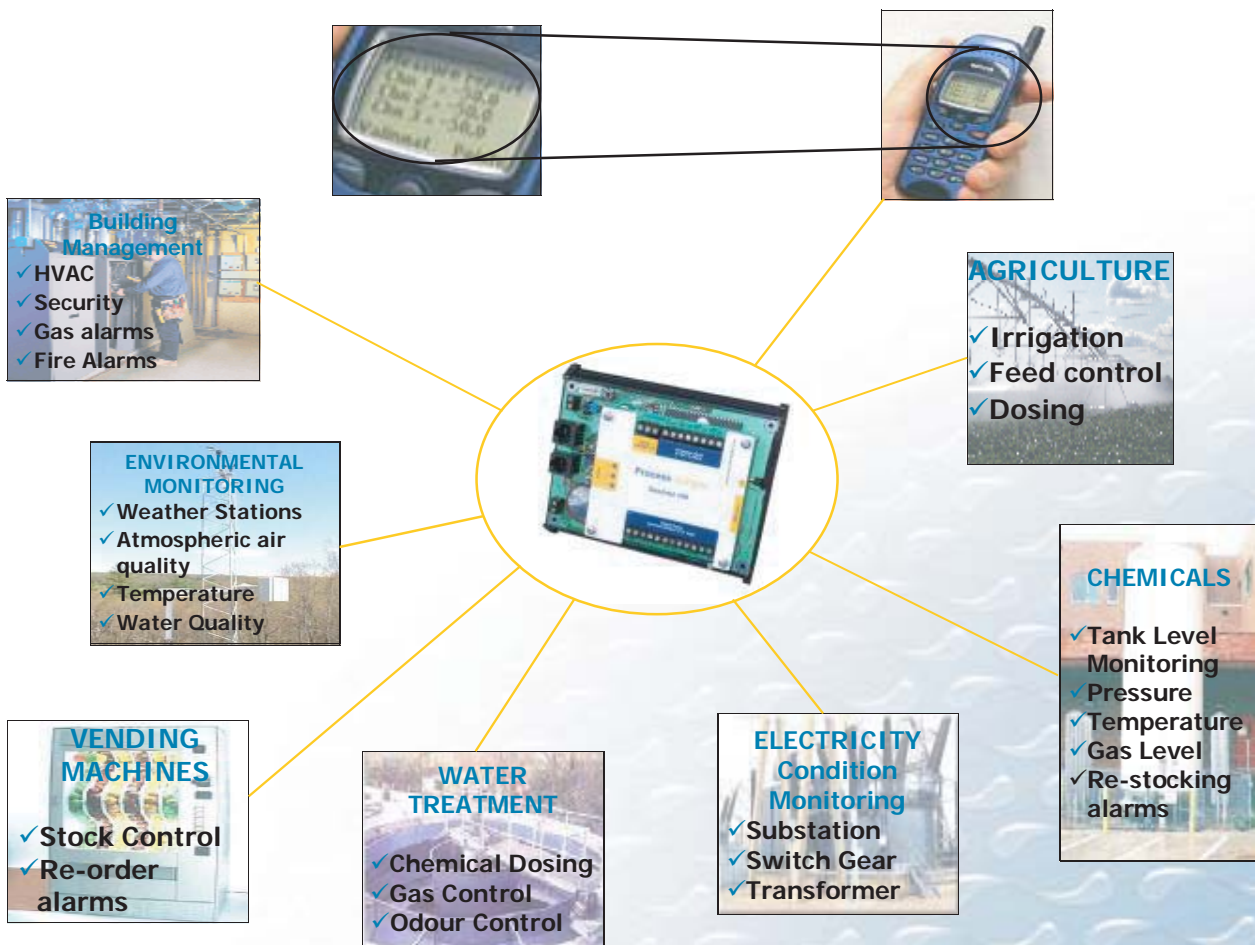
Overview

Process InSight is a unique bi-directional telemetry solution combining the power of GSM, GPRS, SMS Text messages & the Internet. At the heart of Process InSight lies the Sentinel, a sophisticated and robust telemetry and alarm device.

Process InSight gives you the ability to gain a service & control advantage over your competitors. It is easily & quickly fitted to all your existing control & alarm systems.

Use Process InSight's powers to increase Efficiency, Customer Satisfaction & Profits by:

- ✓ Alerting you to failures in you or your customers' equipment, often before those affected are aware that it has failed
- ✓ Attach it to equipment that has "time in use" or "time elapsed" based service intervals and it will call you when that time arrives
- ✓ Reduce wasted "routine service calls" secure in the knowledge that it will call you when you are actually needed
- ✓ Deliver re-fill stock (chemicals consumables etc.) in a timely manner based on real time stock levels
- ✓ Digital & Analogue channels to take inputs from your existing sensors & send commands back to control devices
- ✓ Digital outputs for local control
- ✓ Control and communication both to and from the target device
- ✓ Alarms triggered by input changes
- ✓ Alarms via SMS Text messages
- ✓ Further enhanced features from the **InSight Web** service





InSight Web

The alarms, information and controls offered by the Sentinel telemetry modules can be further enhanced when combined with the power of InSight Web.

InSight Web is a powerful internet based suite of components featuring:

- ✓ An SQL database with fail over and backup
- ✓ High security
- ✓ An intuitive web interface
- ✓ Tools to organise and analyse received alarms
- ✓ Forwarding of alarms as email and SMS to Engineer on call, groups of users, etc...
- ✓ Process mimics and data display
- ✓ Data logging
- ✓ Trending of historical data
- ✓ Download of data for analysis and reports
- ✓ Remote configuration of Sentinel telemetry modules
- ✓ Allow users different levels of access according to status
- ✓ View on any PC with a web browser (subject to minimum requirements)

Please enter your Login Name and Password.

Login Name	<input type="text"/>
Password	<input type="password"/>
<input type="button" value="Login"/>	

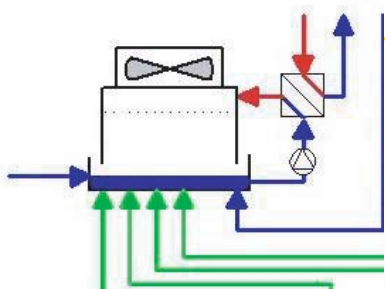
Building 1
 Inputs
 AI0 -
 AI1 -
 AI2 -

Edit Field Engineers Group	
Field Engineer Group	<input type="text" value="FE"/>
Group Name	<input type="text" value="FCC"/>

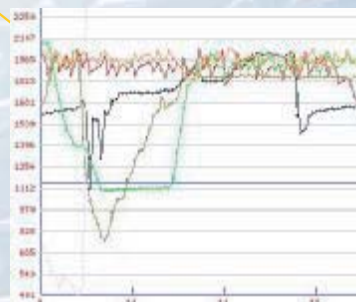
alarms for all devices by priority as on 16-Mar



- Overview of Alarms
- Detail of All Devices
- Alarms Analysis
- Trend Graph
- Mimics
- Download
- Commands
- Security Setup
- Devices Setup
- Processes Setup
- Field Engineers Setup
- Logout



Device	Date & Time	Last Message	Priority
Sentinel1	11/03/2004 04:23 PM	System Healthy	●





The Sentinel 100 is a low cost GSM/GPRS telemetry, metering and condition monitoring module for users of distributed plant and assets with a small I/O count.



The Sentinel 100 is able to operate in a wide range of environments and is particularly suited to remote locations due to its ability to sleep, thereby reducing power consumption to an absolute minimum. The module can then wake at defined times to read and transmit data, or may be woken by an alarm signal.

Data and alarms messages may be sent to the user's GSM telephone or the user's account on the Process InSight web site (see Process InSight Web data-sheet).

The standard model allows data to be sent at one of three intervals - every minute, hour or day. This data is sent via GPRS or, in areas of poor network coverage, via SMS. The configuration of the Sentinel and its status can be changed remotely.

The battery model reports low battery condition and the 100-240V AC model reports when the power is restored after failure.

Special features are available on request. Please contact us for more details.

Features:

- 4 Analogue inputs, 4-20mA or 0-10V 10 bit
- 4 Digital inputs, volt-free contact or 5v logic
- 1 Relay output with Set/Reset function
- 12-30VDC power supply
- Low power consumption
- Sleep/Standby mode
- Send alarm via SMS or GPRS
- Send data at timed intervals
- Wake and alarm on interrupt option
- Onboard real time clock
- Status indication
- Internal MMCX antenna
- Dual band GSM
- GPRS class 10
- External antenna option
- DIN rail mounting option
- IP66 enclosure option
- 100-240VAC power option
- Battery option
- Solar panel option

Applications:

- Remote plant monitoring
- Remote data collection
- Tank level monitoring
- Remote utility metering
- Building security



Options

The Sentinel 100 may be configured to suit all applications and environments. Here are some examples



DIN Rail or Panel Mounting



AC or DC wide range power supply

IP66 Polycarbonate enclosure with metric knockouts

Battery backup



Internal or external antenna