

Battery Separator Alarm Web Management Interface

Our range of separator alarms act as a warning system alerting the end-user to potential incidents before they happen enabling site operators to meet the Environment Agency's stringent guidelines relating to the monitoring and maintenance of interceptor monitors and pollution incident response planning.

The Web Management Interface allows operators to monitor the separators on every one of their sites in the UK remotely from one central location. The interface has a numerous benefits including:

- Real time date stamped records for the Environment Agency
- Immediate notification of any potential incidents
- Reduced health and safety risks
- Increased environmental compliance

Remote monitoring reduces the need for manual handling and confined space inspection thus reducing manpower requirements, open manholes and planned maintenance checks.

Separator monitors can be reviewed remotely through the web interface. Individualised passwords mean only the user has access to the site details - records are totally confidential. Different access levels can be set to provide site, region or national specific views, or allow for different security protocol.

The web interface provides accurate and instant record keeping for environmental purposes such as a stamp to confirm all is working correctly for Environment Agency visits or ISO14001 accreditation.

The screenshot shows a web interface with a navigation bar (Summary, Events, Configuration, About, Welcome, Logout) and a main content area. The main area displays a table of alarm data and a detailed view for a selected unit. Callout boxes provide the following explanations:

- Site Summary** - Real time visual display of unit statuses
- Alarm Status** - Visual Display of alarms: Red - in alarm, Yellow - alarm accepted, Green - Status OK
- Last Contact** - Displays last contact date (always within 7 days)
- Unit Service Date** - Displays next service due date to ensure compliance with PPG3
- Battery Strength** - Warns via web when approaching below effective limits
- Next Contact Due** - Displays next contact date assuming no alarms
- GSM Signal Level** - Displays effectiveness of the alarm system

Overview

- Monitors status of separator alarms from a centralised point
- Accessible via web browser. (Tested with IE and Firefox. JavaScript and cookies must be enabled. Login required)
- Summary of remote units showing probes in alarm, battery condition and last contact date/time
- Sends e-mails and/or text messages to a list of up to 16 recipients on an alarm condition, low battery, or if the unit fails to contact the monitoring service within a pre-determined time period
- Remote units contact monitoring service web site once every ten days to report continued presence and battery condition
- Remote response facility

Settings

- List of e-mail/text recipients on alarm condition. Up to a total of 16.
- Separator name tags for ease of identification. Displayed in monitoring service and used in e-mails/texts.
- Group name tags for ease of identification, for example by geographic region.

Additional information available

- Enabled probes
- Battery condition (voltage and percentage remaining)
- GSM signal level
- SIM phone number
- Number of texts sent
- Firmware details
- Serial number
- Manufacture date

Central Monitoring

To provide our customers with total environmental protection all notifications from the Web Management Interface can also be received at Darcy's 24 hour spill control centre notifying our resource centre when a separator has given cause for the monitor to go into alarm. As well as providing a backup to your own management systems, whereby we will contact you detailing the status of the separator, we can also organise and deploy our 24/7 emergency spill response and waste management services.

These technological developments have been introduced to ensure complete protection for your site at all times thus eliminating the risk of pollution and associated fines as well as reducing waste management costs. The second a separator activates and alarm onsite a signal is immediately sent to our monitoring station stating the unit has been activated. We can then deal with the problem, reducing risk of pollution to the local area.