



SEPARATOR ALARM

Control systems



Watercare 065

Web Interface Separator Alarm

We **care** for your **water**

General Operation

The Watercare 065 Separator Alarm acts as a warning system alerting the end user of potential pollution incidents before they happen and enables you to meet the Environment Agency's stringent guidelines relating to separators, their monitoring and upkeep.

Until now, Separator Alarms in the marketplace have been limited to either a buzzer/beacon or a single text message in the event of an alarm.

Orchard Watercare can now offer a Web Interfaced Separator Alarm which allows YOU to monitor every one of your sites in the UK remotely from one central location. The unit has a multitude of additional benefits including:-

- Real time date stamped records for the Environment Agency.
- Awareness of any potential challenges immediately
- Reduced Health and Safety risks and increased Environmental compliance



How the system works

The screenshot shows a web interface for monitoring separator alarms. The interface includes a navigation bar with tabs for Summary, Events, Configuration, About, Welcome, and Logout. Below the navigation bar, there are sections for Accepted Alarms, Alarms, and a Find search box. The main content area displays a table of alarm data and a detailed view for a selected unit.

Alarm State	Unit	Group	Last Contact (UTC)	Battery (%)	Service Due	Unit Serial No.	Board Serial No.
Red	AN Company	AN Company	04/02/2012 09:24	Yellow	14/04/2012	065-054132	865-0184
Green	AN Company	Group 1	04/02/2012 07:46	Green	18/09/2012	065-054364	865-0187
Red	AN Company	Unknown	04/02/2012 09:24	Green	18/09/2012	065-054365	865-0188
Red	AN Company	West Yorkshire	16/01/2012 18:22	Green	12/08/2012	065-054381	865-0199
Yellow	AN Company	Unknown	29/01/2012 14:52	Green	27/08/2012	065-054297	865-0163
Green	AN Company	Group 1	30/01/2012 11:34	Green	02/09/2012	065-054311	865-0208

The detailed view for the selected unit shows the following information:

- Accept Alarm:** A button to accept the alarm.
- Next contact due:** 16/07/2012 10:16
- Probe Status:**

Probe	Separator 1	Separator 2
Oil Probe	OK	Disabled
Liquid Probe	OK	Disabled
Silt Probe	Disabled	Disabled
- Notes:** A text area for additional information.
- GSM Signal Level:** A bar chart showing the effectiveness of the alarm system.

Callouts from the screenshot 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

(Screen shot)



Key Attribute

No mains power source required

15 minute probe check monitoring

Quick Alarm

Ability to monitor all separators from either a localised or centralised point.

Ability for different access levels

Weekly call to web interface and date stamp to confirm all is working correctly.

Password protected for your own site security (if required).

Reduces the need for manual inspection, reducing time and manpower requirements.

Orchard Watercare Remote Response Facility



Key Benefit

Easy to retro fit in existing installations or in remote locations. The unit requires minimal civils to be installed.

A significant improvement on the industry standard of 30 minutes, providing enhanced cover and minimisation of incidents.

Provides 24/7 cover of your systems. The increased notification facility ensures that any warnings are dealt with instantly removing the reliance on a single individual with up to 12 e-mail/text channels available for alert communication.

All separator alarms can be reviewed from anywhere in the world through the web interface.

Functionality to provide site, regional or national specific views to allow different security protocol.

Provides accurate and instant record keeping for environmental purposes such as EA visits or ISO 14001 accreditation.

Individual passwords means only you have access to the site - your records are totally confidential.

Remote monitoring reduces the need for manual handling, confined space work, open manholes and planned maintenance checks.

Allows Orchard Watercare to monitor your Separators and provide the necessary responses to warning alarms - 24/7

We **care** for your **water**

OTHER PRODUCTS & SERVICES AVAILABLE FROM ORCHARD

RAINWATER SYSTEMS

- **COMPLETE RAINWATER HARVESTING AND MANAGEMENT SYSTEMS**
For Domestic, Garden and Commercial applications.
- **UNDERGROUND AND ABOVE GROUND TANKS**
From 300 to 100,000 Litres
- **CONTROL AND MONITORING EQUIPMENT**
- **SUBMERSIBLE AND ABOVE GROUND PUMPS**
- **TOTAL DESIGN SERVICE**
Design service available for Domestic and Commercial applications .
- **INSTALLATION, COMMISSIONING , SERVICING AND MAINTENANCE PACKAGES**

ACCESSORIES

- **UV Filters, Pre Filters**
- **Soakaways**
- **Pressure Vessels**

SEPARATOR ALARMS

- **Mains powered alarms**
- **GSM alarms**
- **Web based alarms**
- **Wired and Wireless sensors**

Orchard Watercare Ltd.
Bingley
West Yorkshire

T. 01274 510677
E. info@orchardwatercare.co.uk
W. www.orchardwatercare.co.uk

