



FlowGuardian®

Water leak detection, high-water usage alarm system and BREEAM WAT 02 and WAT 03 credits



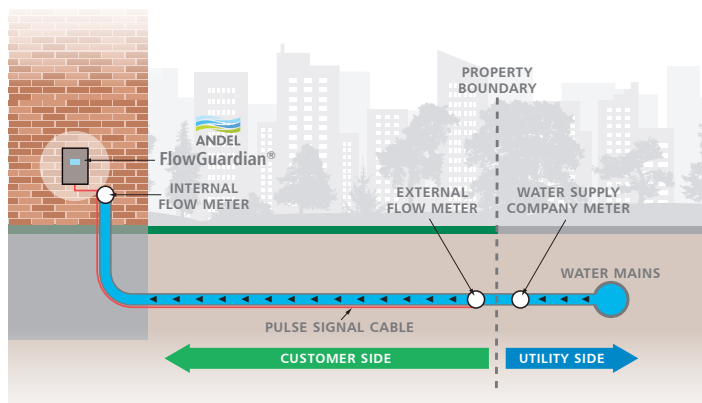
FlowGuardian® is a major water leak detection and sustainability solution.

FlowGuardian® uses two flow meters, one situated at the site boundary and the other in a building and actively monitors the mains water supply.

Identifies leaks and excessive water usage

The system uses the flow rates and volumes from the internal flow meter to identify major water leaks and excessive water usage as well as providing general water usage monitoring.

The programmable, discreet, wall-mounted control panel has a simple, interactive push-button LCD display with audible buzzer alarm. All alarms are displayed continuously until corrected and reset on the system.



The wall-mounted panel is equipped with advanced communications and Modbus connectivity for onward communications to BMS and remote users plus an option to control water isolation valves in the event of a water leak.

BREEAM WAT 02 and WAT 03 credits

FlowGuardian® provides flow monitoring and water leak detection in line with the defined BREEAM standards WAT 02 and WAT 03 and can earn BREEAM credits subject to a successful audit by an authorised assessor.

Benefits at a glance:

- Major mains water leak alarm
- Excessive water usage alarm
- Protects against damaging and costly water leaks
- Monitors water usage
- Saves on water bills
- Can earn BREEAM WAT 02 and 03 credits

TECHNICAL INFORMATION

POWER:

- Mains supply: 110-230Vac 50/60Hz 10W

CONSTRUCTION:

- IP66, ABS enclosure

DIMENSIONS:

- W175mm x H250mm x D75mm

FIXING:

- Control panel: surface-mounted internal wall.
- Flow meters: compression/flange fitting dependant on size of flow meter.

MONITORING:

- Major underground water leak – difference between the internal and external flow meters.
- Excessive volume within user specified daily time period
- Excessive flow rate within user specified daily time period.
- User-adjustable daily volume, flow rate and time period for continuous monitoring.
- Flow meter fault monitoring.
- Daily volume in litres and all time volume in cubic metres display.
- Alarm data event log on FIFO basis.

STATUS AND ALARM INDICATORS:

- 4 x 12 LCD backlit display.
- Audible buzzer alarm.
- All alarms displayed continuously until corrected and reset on the system

OUTPUTS:

1. Mains Fail SPCO Relay (5A @ 250Vac)
 2. Flow Alarm SPCO (5A @ 250Vac)
 3. Flow Meter Fault SPCO (5A @ 250Vac)
 4. Complete Power Failure SPCO (5A @ 250Vac)
 5. Modbus RTU
- All relays are clean volt-free contacts.

For more information:

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Making water sustainable for a cleaner and safer environment.