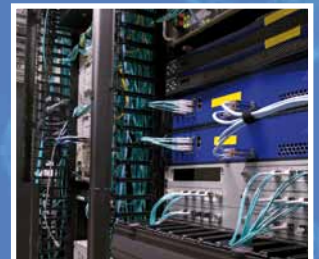
















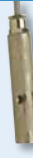











WATCHDOG Alarm Instruments – Safety for Industry and Building Technology



Just in case... WATCHDOG Alarm Instruments from

Alarm instruments	Probes	Media	Applications
 Water Alarm WM 5	 Photo-electric probe	<ul style="list-style-type: none"> ■ Water 	5 channels (rooms or points) WM 5 monitors the presence of water in up to 5 independent locations.
 Water Alarm WWG	Wall fixing probe WSS or  Floor water probe BWS 11	<ul style="list-style-type: none"> ■ Water ■ Conducting water solutions ■ Electrically conducting liquids ■ Emulsions 	Single channel Suitable for water, but also for electrically conducting liquids, emulsions and conducting water solutions.
 Oil/Water Alarm ÖWU	 Wall fixing combination probe	<ul style="list-style-type: none"> ■ Oil + Water 	Single channel ÖWU differentiates between oil alarm and water alarm and signals the relevant alarm condition.
 Oil/Water Alarm ÖWWG 3	 Thermistor probe	<ul style="list-style-type: none"> ■ Electrically conducting and non-conducting liquids 	Single channel ÖWWG 3 controls liquid accumulations resulting from leaking tanks, back wash, or flooding. General Building Construction Approval: Z-65.40-339
 Oil-on-Water Detector ÖAWD	 Floating probe SWS	<ul style="list-style-type: none"> ■ Oil on Water 	Single channel ÖAWD controls still and slow flowing waters or water surfaces for oil layers.
 Oil Alarm OM 5	 Photo-electric probe	<ul style="list-style-type: none"> ■ Oil 	5 channels For collection pits and drip pans under oil burning appliances, pipe and cable ducts, pumping stations and control rooms, vessels and tanks. General Building Construction Approval: Z-65.40-214
 Tank Contents Gauge TankControl	 Submersible probe 	<ul style="list-style-type: none"> ■ Heating oil EL, L ■ Diesel ■ Biodiesel ■ Water 	Single channel/2 channels For the continuous level indication and control of minimum or maximum levels as well as on/off level control.
 Level switch Minimelder/Maximelder	 Magnetic float switch	<ul style="list-style-type: none"> ■ Water ■ Heating oil EL, L, M ■ Oil/water solutions ■ non-aggressive liquids 	Single channel Suitable for the detection of minimum or maximum levels in liquid tanks.
 Top-up Controller RENA	 Level probe	<ul style="list-style-type: none"> ■ Rainwater 	Single Channel Monitors levels in rainwater storage tanks and operates the fresh water topping up when a minimum level is reached.

AFRISO. Safe, compact and professional.

Alarm instruments	Probes	Media	Applications
 Overfill Preventor UFS 01 (WHG/VAwS)	 Level sensor UFS 01	<ul style="list-style-type: none"> Inflammable liquids Non inflammable, water polluting liquids 	Single channel Switches off the filling process when the max. filling level is reached in a fixed tank installation. General Building Inspection Approval: Z-65.11-18
 Leak Detector LAG acc. to WHG, VAwS and BetrSichV	 Leak detection liquid container with probe	<ul style="list-style-type: none"> Inflammable liquids of danger class A I, A II, A III and B Non-inflammable, water polluting liquids 	Single channel Leak detector for double-skinned tanks with liquid filled interstitial space. General Building Inspection Approval: Z-65.24-1 and Z-65.24-380
 Boiler Water Low Level Switch WMS	 Probe WMS	<ul style="list-style-type: none"> Water in heating boilers 	Single channel Controls the water level in boilers and cuts off the power to the burner unit when a minimum water level is reached. Construction Part Approval: TUV HWB 09-345 and 09-348
 Gas and Smoke Alarm	  Smoke sensor Gas sensor	<ul style="list-style-type: none"> Explosive gases Vapours Smoke 	2 channels Suitable for controlling rooms, buildings and public installations.
 Low Pressure Gas Alarm	 Pressure gauge with contacts	<ul style="list-style-type: none"> Gases 	Single channel Low pressure gas alarm for monitoring pressure levels in gas tanks.
 Oil/Water Separator Alarm WGA 01 	 WGA-ES4 (capacitive)  Thermistor probe WGA-R6	<ul style="list-style-type: none"> Oil Petrol 	2 channels Controls the thickness and the max. permissible level of separated liquid in oil and petrol separators.
 Oil/Grease/Water Separator Alarm WGA 02/03 	 WGA-SD 02 (conductive)  WGA-AS (capacitive)	<ul style="list-style-type: none"> Oil Petrol Grease 	2 channels Controls the thickness and the max. permissible level of separated liquid in oil, petrol and grease separators.
 Separator Alarm WGA 05 for oil, petrol, grease and silt 	 WGA-SN (ultrasonic)  WGA-SD 02 (conductive)	<ul style="list-style-type: none"> Öl Benzin Fett Schlamm/Sand 	2 channels Controls silt and mud sediments in oil/petrol/grease separators and the separated liquid levels.
 Alarm Unit WGA 06 for separators 	 WGA-OW (capacitive)  WGA-AS (capacitive)	<ul style="list-style-type: none"> Oil Oil on water 	Single channel Monitors pump pits and shafts in separator installations for oil layers and for the maximum permissible liquid level.

WATCHDOG ALARM INSTRUMENTS

For the instant detection of liquid levels, liquid accumulations, leakages, gases or smoke.

WATCHDOG Alarm Instruments – Safety around the heating system

- 1 Oil/Water Alarm
- 2 Thermistor probe for tank room monitoring
- 3 Thermistor probe with drip pan
- 4 Gas and Smoke Alarm GRM
- 5 Smoke sensor
- 6 Tank Contents Gauge 'TankControl' with reserve level alarm
- 7 Event Reporting System EMS for monitoring via SMS or AFRISO Net web service danger conditions such as leakage, back wash, flooding, smoke and fire as well as tank contents.



Popular Application Fields

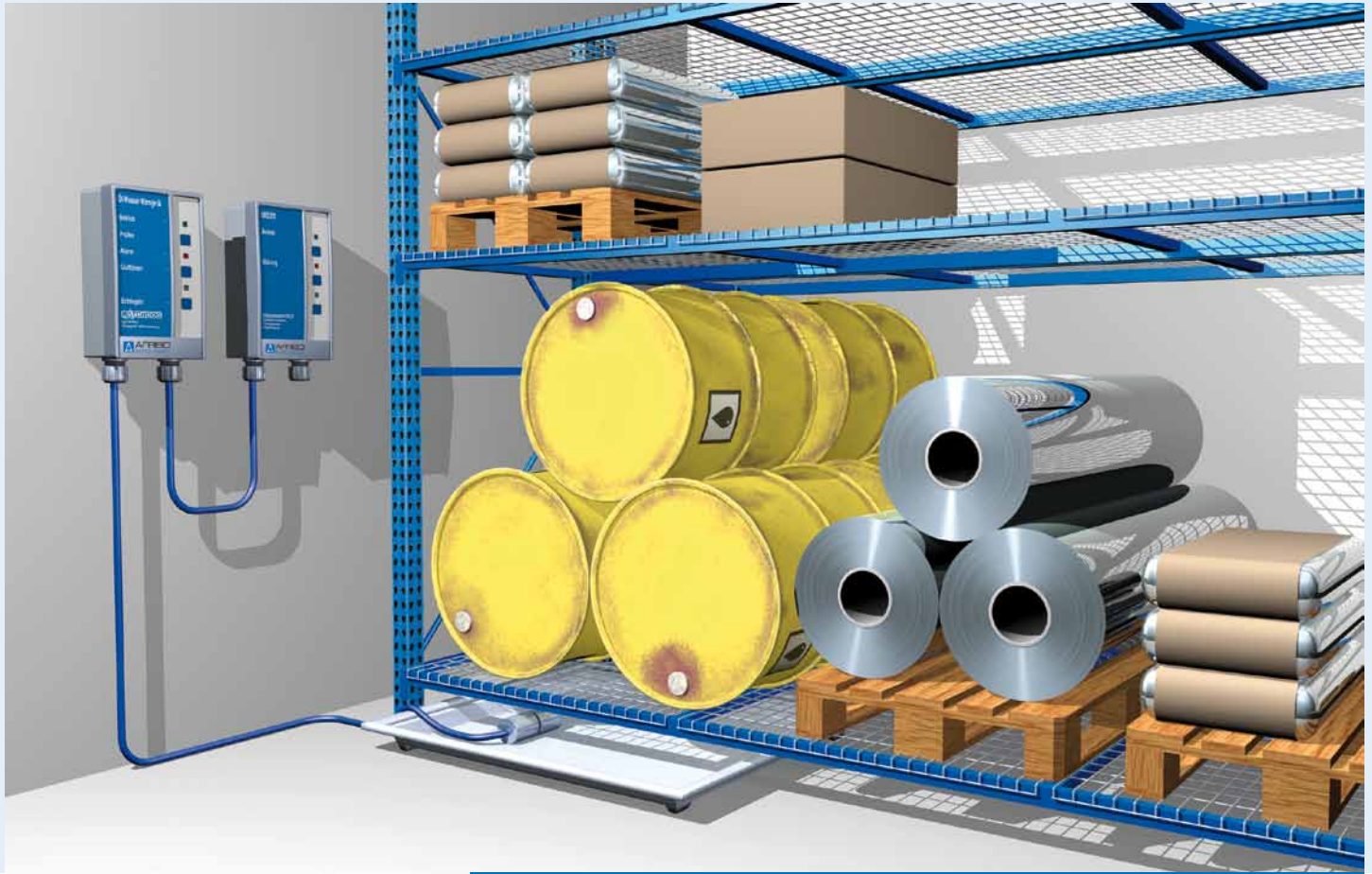
- Catchment areas under equipment that use oil or water
- Drip pans under storage tanks, burners, motors in buildings or outdoors
- Containers, butts, standard or double-skinned tanks
- Cisterns and water storage tanks
- Oil depots, boiler rooms and rooms with mains water connection
- Heating installations
- Cable and pipe ducts
- Canal shafts, manholes and control shafts
- Cellars, kitchens, laundry rooms
- Warehouses and storage areas
- Machinery rooms
- Museums, archives, office buildings
- Lift shafts
- High-tech equipment rooms and server rooms
- Pumping stations and control rooms
- Catchment and overflow basins
- Oil, petrol and grease separator units
- Protective pipes and pipe lines

In the building technology sector there are a great number of risks which should be considered and kept under control to avoid inconvenience to house owners, house keepers, property managers or maintenance

personnel with a view to averting possible extensive damage. WATCHDOG alarm instruments from AFRISO report undesirable events, danger and emergency conditions early so that

early remedial measures can be taken. WATCHDOG alarm instruments feature extremely easy and intuitive operation. A variety of different probes and sensors enable instant detection of liquid levels, leak-

WATCHDOG for industry e.g. monitoring of warehouses, machinery rooms, hazardous liquid depots



Detectable media

- Water
- Waste water
- Ground water
- Heating system water
- Cooling water
- Rain water
- Heating oil EL, L, M
- Diesel fuels or low viscosity lubricating oils Class A III
- Engine, gear and hydraulic oils
- Vegetable and transformer oils
- Inflammable liquids of danger classes A I, A II, A III, B
- Beverages
- Anti-freeze liquids and fertilizers
- Emulsions
- Silt and mud
- Oil, petrol and grease layers
- Electrically conducting water solutions and liquids
- Gases, vapours and smoke

ages and liquid spillages, gases or smoke. Warning of a danger situation is provided by an integrated visual and audible alarm – this monitors and protects domestic dwellings, factories or similar installations.

From standard wall mounting units through to integration into control panels using mounting frames – WATCHDOG is simple and quick to install. With very little effort, the instruments can also be retrofitted and

adapted for use in dirty and wet environments (IP 54) using sealing sets.



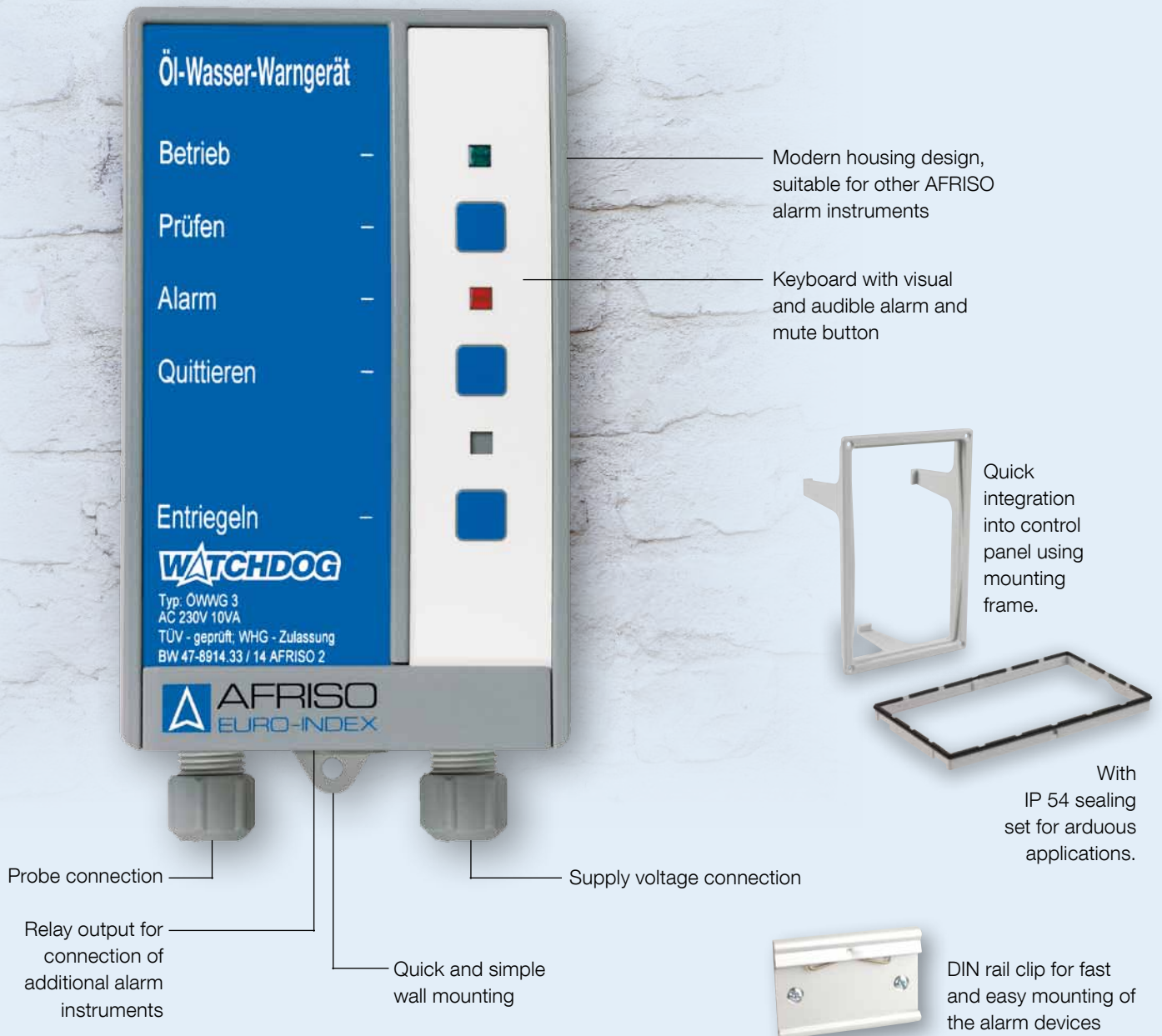
WATCHDOG with integrated visual and audible alarms, mute button and relay output



Probes and sensors for a great variety of applications

Advantages – your benefit

- + Universally applicable – a suitable instrument for every application
- + Modern, standardised design
- + Audible and visual alarms for maximum safety
- + Mute facility for audible alarm
- + Other ancillary instruments can be connected (EMS, Klaxon, warning beacon)
- + Ready-to-connect instrument for easy installation and commissioning
- + Quick integration into control panels using mounting frames
- + DIN rail clip for fast and easy mounting of the alarm devices
- + IP 54 sealing set for arduous applications
- + High reliability and long life expectancy
- + Excellent price/quality ratio



Watchdog transmits world-wide

In conjunction with the AFRISO EMS Event Reporting System alarm information such as tank reserve level or fault condition, tank contents data, malfunctions or accidents are transmitted via SMS world-wide and around the clock. Using ZLT or the AFRISO Net web service, additional data can be visually displayed, recorded and managed. Depending on the extent of such a system the AFRISO Event Reporting equipment can provide a complete remote control of the entire house with all its systems.



The Company

AFRISO, founded in 1869 by Adalbert Fritz in Schmiedefeld/Thuringia, Germany, is an innovative, medium sized privately owned family company with some 900 employees world-wide – 475 of which work in our four German factory locations.

Traditionally, we produce measurement and control instruments for temperature and pressure. For more than 50 years now, we also produce measurement, control and surveillance instruments for environmental protection:

- Level measurement instruments
- Overfill prevention devices
- Leak detectors
- Flue gas analysis instruments



Headquarters Güglingen



The ever growing knowledge of our highly motivated and qualified staff, combined with the close customer contact of our sales advisors leads us permanently to new product designs which reflect the latest market requirements.

Our product range spans from low cost, well proven standard design products to highly specialised custom made single product solutions ...

- Research and Development
 - Tool making and assembly fixture design
 - Multi-shift and highly rationalised production
 - Highest quality levels
 - National and international approvals
- ... make AFRISO designs to customer and market approved brand products.

Environmental management according to ISO 14001 is an obvious and standard norm for us.



Please contact us at:
www.afriso.de/catalogue
 and request our comprehensive catalogue for complete and detailed product information.

