Liquid detector AFA 11 with burner connection kit

Benefits

- Leak detection system class III, EN 13160-1/-4
- Connections pre-wired
- With visual/audible alarms, Test and Acknowledge buttons
- Automatic switching off of the burner in alarm conditions
- EnOcean®-ready

Application

For visual and audible alarms in the event of accumulations of liquids below the burner of an oil fuelled system and for switching off the burner in alarm conditions. Suitable for the following media: fuel oil, diesel fuel, paraffinic fuels (GTL), AdBlue® urea solution, low-viscosity lubricating oils, motor oils, gearbox oils or hydraulic oils, vegetable oils, hydrogenated vegetable oils (HVO), transformer oils, water and other liquids. Application as leak detection system class III as per EN 13160-1/-4 as well as safety device as per worksheet DWA-A 791 and worksheet DWA-A779.

Versions

	Part no.
Liquid detector AFA 11 BAS AC 230 V	40891
EnOcean® wireless module TCM 320	78082

Blue part no. = in-stock items

Description

The liquid detector AFA 11 BAS is the successor product of the oil/water alarm unit 3 with burner connection kit.

The liquid detector AFA 11 with burner connection kit consists of a control unit with visual/audible alarm, Test and Acknowledge keys, a relay output and a photoelectric probe with 10 m connection cable. Cable and connector for connection of burner and boiler are fully wired and ready to be connected. In the event of an alarm, the unit triggers visual and audible alarms and switches off the burner. The audible alarm can be muted with the Acknowledge key. The visual alarm remains active until the leak has been removed. The burner then resumes operation. The Test key allows you to simulate an alarm condition in order to perform a function test. Alarm units with the EnOcean-ready label can be integrated into your existing building automation systems, for example, AFRISO smart home, at a later point in time. To do so, plug the EnOcean® wireless module into the EnOcean® interface (PCB of the device). The AFRISOhome gateway in conjunction with additional AFRISO smart home products with EnOcean® wireless technology allow you to configure a whole range of fully customisable, extensible features for the protection of plants and buildings. Power outage alarm: An optional 9 V battery can be connected so that an audible signal is triggered in the case of power outage. The audible signal cannot be acknowledged and is disabled once power is available again.

Technical specifications

Operating temperature range (ambient)
Control unit: -10/+60 °C
Probe: -10/+60 °C

Probe
L x ⌀:   33 x 10 mm
Cable length: 10 m
Response level   ≥ 4 mm
(EN 13160-4):

Connector
Burner: 7-pin, female with 3 m cable
Boiler: 7-pin, male, with 3 m cable

Supply voltage
AC 230 V

Nominal power
2.5 VA

Alarm sound
Min. 70 dB(A)

Housing
Wall mounting housing made of impact-resistant plastic (ABS)
W x H x D: 100 x 188 x 65 mm
Degree of protection: IP 30 (EN 60529)

Approval
DIBt: Z-65.40-214

Scope of delivery
- Control unit
- 1 connected photoelectric probe
- One connected plug each for burner and boiler connection

Option
- EnOcean® wireless module (can be retrofitted)