

Single Zone Alarm Leak Detection System

Product Overview

The Aquitron AT-SZA Single Zone Alarm is designed for use with all TraceTek sensing cables, Aquitron probes and other sensing devices to detect leaks. The AT-SZA provides both visual and audible indication when a leak or cable fault has occurred and has relay contacts to connect to other external alarm equipment, BMS and PLC's.

The LED's located on the front face plate indicate Power, (mains or battery back-up), Alarm, Leak alarm and Cable break. If a sensor attached to the AT-SZA detects a leak or fault the panel will indicate this with visual and audible alarm. The operator can silence the SZA alarm by pressing the mute button on the front face plate. Once the alarm has been silenced, the red Alarm LED will stop flashing to indicate the system has been acknowledged and the appropriate Leak or Cable break LED will remain illuminated. Once the cause has been located and corrected the panel can be Reset. Pressing the Reset button also resets the volt free alarm relay contacts.

The SZA metal enclosure can be easily mounted to a wall or other flat surface. A semi-flush mounting flange is also available. The enclosure is lockable, has an IP54 rating and a 90-decibel audible alarm. An auxiliary remote alarm (AT-RAP) can be added to the system and located in remote positions such as reception areas and security rooms. The AT-SZA unit can operate on 230/120Vac (50/60HZ) and 12Vdc. A battery enclosure unit (AT-BU) for 72-hour operation is also available.



Applications

The AT-SZA is ideally suited for simple integration into centralised monitoring systems for computer rooms or large facilities, as well as interfacing into control systems for air conditioning and fan coil units, pump, booster and generator sets. Typical applications include monitoring leaks that could occur around individual air-handling units, water-cooled machinery, tanks, pumps, sumps, lift pits or other locations.

Ordering Information

Catalogue number 3580 AT-SZA Single Zone Alarm

Approvals

Electromagnetic compatibility (EMC)

Compliant with standards for emissions EN61000-6-2:1999 (Heavy industrial)

Compliant with standards for immunity EN50081-1

Ancillary Products

3570 AT-SZA-SFMF Semi Flush Mounting Flange

3485 AT-BU Battery Unit

2335 AT-RAP Remote alarm panel (230Vac)

3700 AT-BAT Replacement battery, 7Ah

Technical Information

Dimensions 240mm x 210mm x 80mm

Sensing cable compatibility

All TraceTek sensing cable (TT1000, TT1100, 3000, 5000, 5001, 7000)

Detection Probes

Water detection probes, optical oil sensors and immersion sensors

Maximum sensing circuit

100 metres (328 ft) of TraceTek sensing cable

Enclosure

Powder coated steel, colour RAL 7032, IP54, lockable

Humidity

5% to 95% non-condensing

Power supply

230/120Vac, 50/60Hz, 12Vdc, 7 watts

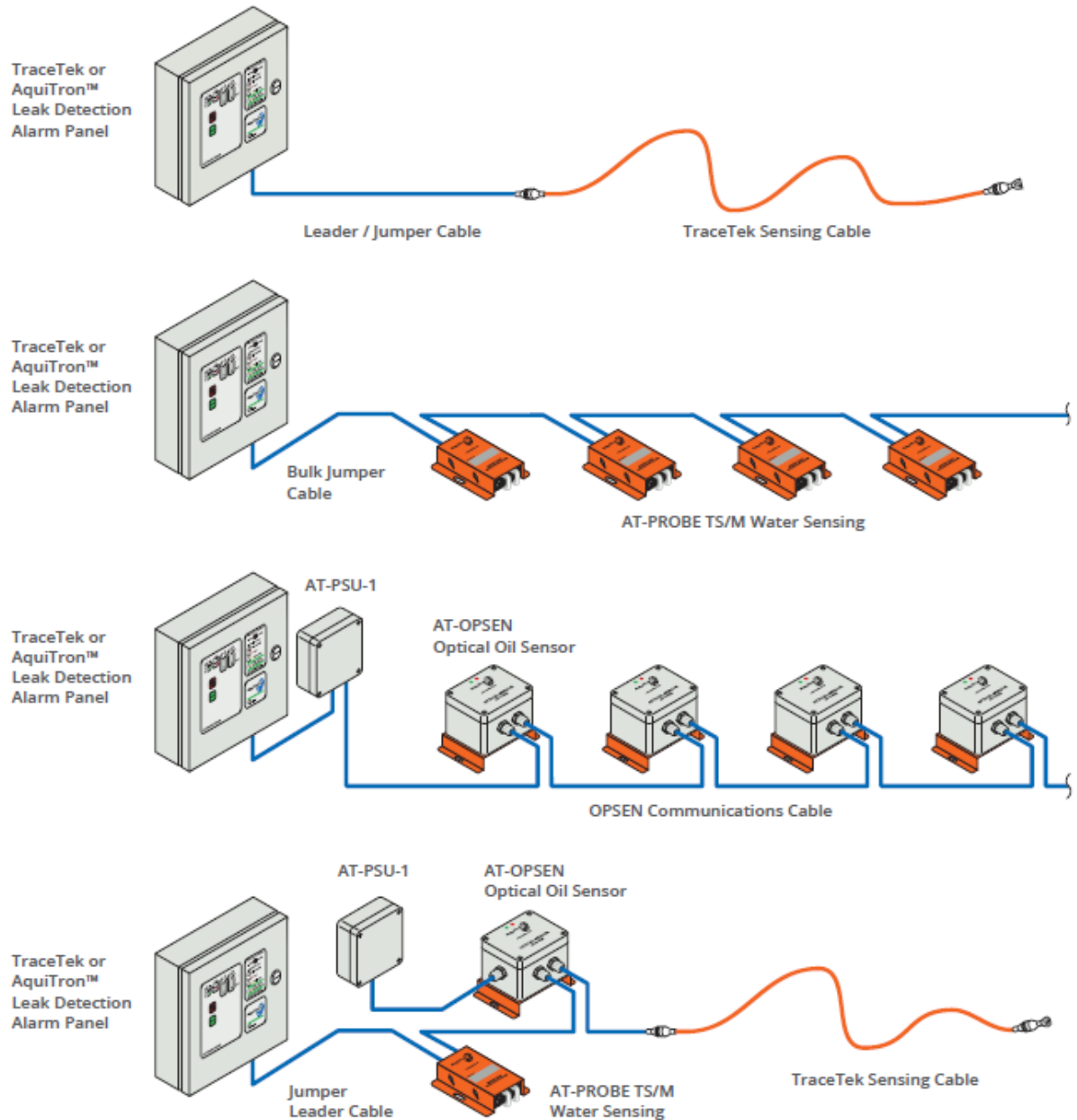
Relay Output

3A 250Vac / 24Vdc. SPDT. Volt free relay contacts activated by leak or cable fault (NC/COM or NO/COM). 2 Leak Relays and 1 Fault relay.

Status LED

Power (Mains-Green, Battery-Red), Alarm (red flashing), Leak (Red), Cable break (Yellow)

Configuration Examples



Important

All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application.