Description

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.

Simple operation

The operator silences the SZA alarm by pressing the mute button on the front face plate.

The LED's located on the front face plate indicate Power, (mains or battery back-up), Alarm, Leak alarm and Cable break. 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 be illuminated. Once the cause has been located and corrected the corresponding LED will automatically be extinguished, and the panel can be Reset. Pressing the Reset button also resets the volt free alarm relay contacts.

Versatile design

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 operates 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.
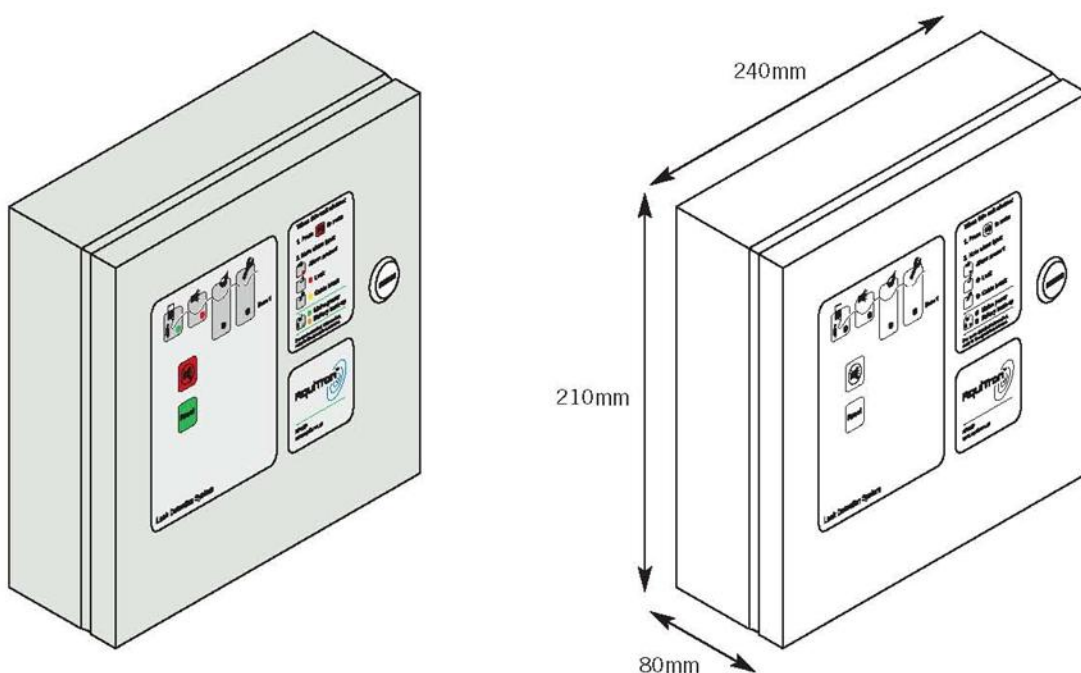
Technical Information

Sensing cable compatibility	All TraceTek sensing cable (TT1000, 3000, 5000, 5001, 7000)
Detection Probes	Water detection probes, optical oil sensors, float switches and immersion sensors
Maximum sensing circuit	100 metres (328 ft) of TraceTek sensing cable Combination of any 10 AquiTron™ probes
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)
Status LED	Power (Mains-Green, Battery-Red), Alarm (red flashing), Leak (Red), Cable break (Yellow)

Approvals

Electromagnetic compatibility (EMC)

$C\epsilon$ Compliant with standards for immunity   EN61000-6-2:1999 (Heavy industrial)
Compliant with standards for emissions   EN50081-1

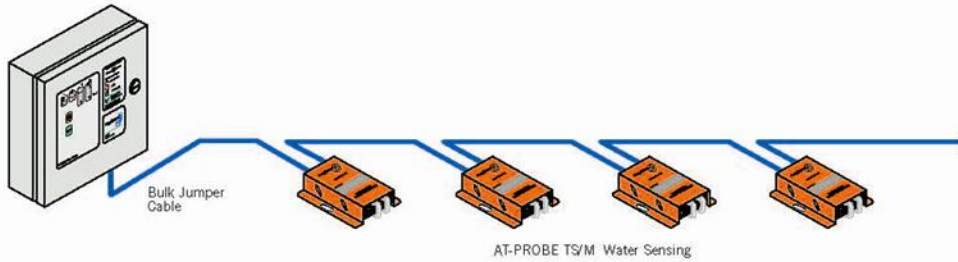**Ordering information**   Catalogue number   3580 AT-SZA Single Zone Alarm

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Ancillary Products

3570 AT-SZA-SFMF Semi Flush Mounting Flange
3485 AT-BU Battery Unit
2335 AT-RAP Remote alarm panel (230Vac)
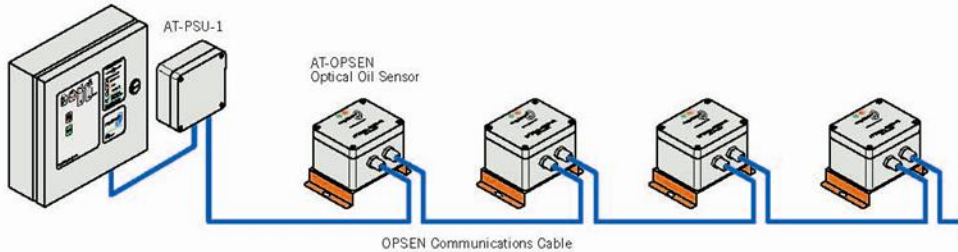3700 AT-BAT Replacement battery, 7Ah

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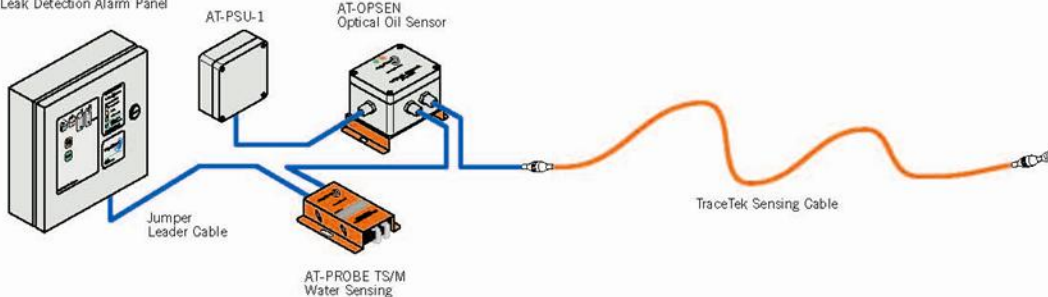TraceTek or AquiTron™
Leak Detection Alarm Panel

Leader / Jumper Cable   TraceTek Sensing Cable

TraceTek or AquiTron™
Leak Detection Alarm Panel

Bulk Jumper Cable

AT-PROBE TS/M Water Sensing

TraceTek or AquiTron™
Leak Detection Alarm Panel

AT-PSU-1

AT-OPSEN
Optical Oil Sensor

OPSEN Communications Cable

TraceTek or AquiTron™
Leak Detection Alarm Panel

AT-PSU-1

AT-OPSEN
Optical Oil Sensor

TraceTek Sensing Cable

Jumper
Leader Cable

AT-PROBE TS/M
Water Sensing