

AquiTron

AT-RBU

Relay Buzzer Unit



**INSTALLATION
INSTRUCTIONS**



aquilar
leak detection solutions

AT-RBU

Relay Buzzer Unit

Please read these instructions carefully and keep them in a safe place (preferably close to the module) for future reference. These instructions must be followed carefully to ensure proper operation.

A. GENERAL INFORMATION

The AT-RBU Relay Buzzer Unit has been designed specifically for use with TraceTek, AquiTron or EcoLeak control panels. The AquiTron AT-RBU provides a visual and audible alarm together with two sets of SPDT relay alarm contacts for use with any TraceTek, AquiTron or EcoLeak controller that has a set of change over relays contacts. The AT-RBU is provided in a DIN rail mount IP65 enclosure and can be housed in one case next to a TTSIM. The AT-RBU replicates the relay contacts from the TraceTek, AquiTron or EcoLeak range of controllers. The unit operates on either 230Vac or 24Vac-dc. Connection to a TraceTek, AquiTron or EcoLeak panels is through three link cables (NC, COM and NO). The AT-RBU is designed for use in ordinary areas with temperatures of 5°C to 60°C.

INSTALLATION ITEMS (NOT SUPPLIED)

- 35mm DIN rail mounting strip (for wall mounts or interior of large control cabinets) and attachment hardware.
- Power and telemetry cable.
- Optional enclosure with clear cover for indoor, non-corrosive environments

TOOLS REQUIRED

- Small flat-head screwdriver

STORAGE

Keep the module in a dry place prior to installation to avoid possible damage to internal components.

B. PRODUCT INFORMATION

AT-RBU

210 - 250 Vac; 50/60 Hz
22 - 26 Vac-dc (DO NOT EXCEED 26Volts)

RELAYS

Number: Two sets
Type: SPDT
Rating: 3 A at 250Vac/24 Vdc

TEMPERATURE

Operating: 5°C to 60°C

HUMIDITY

5% to 80% non-condensing

AUDIBLE ALARM

80Db at 1 Metre

ENCLOSURE

NEMA 1; IP20 (NEMA 4X / IP 65 with optional enclosure)

CABLE LENGTH

Maximum cable length between panel and AT-RBU 200 Meters.

CABLE SIZE


12 to 24 AWG.


APPROVALS

BS EN IEC 61000-6-3:2021
BS EN IEC 61000-6-1:2019
UKCA
CE

* The AT-RBU is approved for use in ordinary areas. The module must be located in an Ordinary Area.

Note: To avoid damage to the AT-RBU, store the unit in its packaging until ready to install.

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C. SELECT A MOUNTING POSITION

Choose a location where the module will be protected from the elements, temperature extremes or heavy vibration. The AT-RBU is designed to be fitted onto standard 35 mm DIN rail. Existing electrical or instrumentation cabinets with spare rail space make good mounting locations. It is also possible to install a small section of DIN rail directly on a wall or cabinet surface and mount the AT-RBU in any location as long as it does not expose the AT-RBU to impact damage. The AT-RBU must be installed within a maximum distance of 200 meters from its controlling devices, such as TraceTek, AquiTron or EcoLeak panels.

D. CONNECTING THE POWER CABLE AND RELAYS

CONNECTING THE POWER WIRING

- Connect the power supply wires to the terminal block marked LNE (Live, Neutral, Earth), observing the polarity for 210 to 250Vac **A** and to the AC-AC for 22 to 26Vac-dc **B**
- The electrical supply should be fused at no more than 3amps via an un-switched fused spur adjacent to the unit.
- **Note:** Proper grounding/earthing is important to avoid the possibility of electromagnetic interference.
- **Note:** The terminals can accept wires 12 to 24 AWG.
- **Note:** Do not exceed maximum voltage.

CONNECTING THE INPUT RELAYS

Connect a 3 core cable from the N.C, COM and N.O terminals on the primary control panel (EcoLeak, AquiTron or TraceTek systems) to the corresponding INPUT terminals on the AT-RBU.

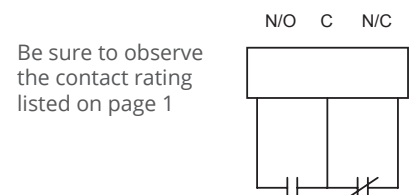
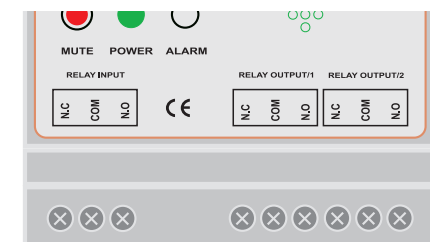
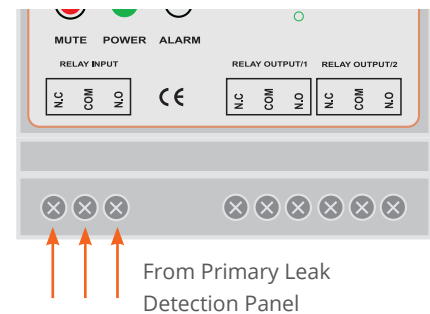
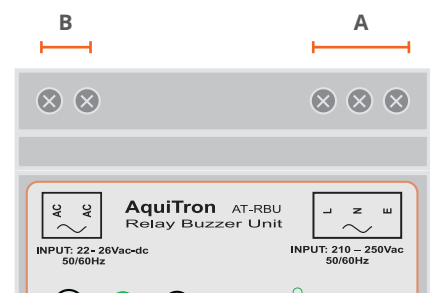
Note: All three cables must be connected in the correct sequence.

CONNECT THE ALARM / BREAK RELAYS

The AT-RBU has two alarm relays. Each relay provides Form C relay contacts, normally open and normally closed. The relays are energised to indicate an alarm condition. Each relay is independent.

Note: The relay terminals can accept wires 12 to 24 AWG. Cable should have a temperature rating of 65°C.

Note: Maximum load for relays is 3 amps.



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COMMISSIONING


Your system should be commissioned by an authorised TraceTek, AquiTron or EcoLeak representative.


Important: Store hardware and documentation supplied with the AT-RBU in a secure place for later use (commissioning, connecting interfaces, operating).

Important: All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Aquilar Limited makes no warranty as to the accuracy or completeness of the information, and disclaims any liability regarding its use. The only obligations of Aquilar Limited are those in the Aquilar Standard Terms and Conditions of Sale for this product, and in no case will Aquilar Limited be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use or misuse of the product. Specifications are subject to change without notice. In addition, Aquilar Limited reserves the right to make changes – without notification to Buyer – to processing or materials that do not affect compliance with any applicable specification.

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