

### Description

The AquiTron™ AT- LDM offers a low cost option for liquid leak detection. It is designed for use with all TraceTek sensing cables, AquiTron™ probes and other sensing devices to detect leaks. The AT-LDM provides visual indication when a leak has occurred and has relay contacts to connect to other external alarm equipment. An option is available with an audible alarm.

Each module comes in two forms; either with DIN rail mounting frame or polycarbonate enclosure together with comprehensive installation instructions.

### Simple Operation

Two LED's to indicate the operating status of the unit:  
POWER – alarm unit power (green)  
LEAK – liquid detected (red)

### Application

Primarily designed for small area detection in locations such as Tea Points, Kitchens, Bunded area's and Drip Trays, or alternatively these units can be used with the AquiTron™ AT-RWS-1 Rain Sensor.

Because of their compact size these modules can normally be easily incorporated into OEM equipment or outstation enclosures thus saving the cost of a dedicated enclosure.

Modules can be sited close to the area to be monitored or mounted up to 200 metres away in control equipment.

AT-LDM-SM housed in a polycarbonate enclosure



AT-LDM & AT-LDM-S open chassis, DIN rail mounting



### Technical Information

|                                 |   |
|---------------------------------|---|
| Sensing cable compatibility     | All TraceTek adapted sensing cable (TT1000, 3000, 5000, 5001 and 7000 )           |
| Detection Probes                | Water detection probes, optical oil sensors, float switches and immersion sensors |
| Maximum length of sensing cable | 45 metres (150 ft)  |
|                                 | Combination of any 10 AquiTron™ probes  |
| Enclosed version                | Polycarbonate; smoked transparent lid, base & grey base; IP 66                    |
| Operating Conditions (PCB)      | -10 to +50 °C, 0% to 90% non-condensing   |
| Power supply                    | Two versions: 24V ac/dc & 230Vac (ac 50/60Hz)                                     |
| Power consumption               | 50 mA @ 24V ac/dc and 11mA @ 230Vac   |
| Relay Output                    | Volt free relay contacts activated by leak SPDT (NC/COM & NO)                     |
| Relay Rating                    | 5 A at 250 Vac/24 Vdc   |
| Status LED                      | Power (Green), Leak (Red)   |
| Audible Alarm                   | 85dB 10cm (where fitted)  |
| Dimensions                      | Open chassis: 77mm x 112mm x 45mm<br>Enclosed: 130mm x 130mm x 75mm               |
| Weight                          | Open chassis: 82g ~ 24V version & 248g ~ 230V version<br>Enclosed: 660g           |

## Approvals

Electromagnetic compatibility (EMC)



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|                      |                  |      |           |                                      |
|----------------------|------------------|------|-----------|--------------------------------------|
| Ordering information | Catalogue number | 4200 | AT-LDM    | Open Chassis: 24Vac                  |
|                      |                  | 4205 | AT-LDM-S  | Open Chassis: 24Vac with sounder     |
|                      |                  | 4210 | AT-LDM    | Open Chassis: 230Vac                 |
|                      |                  | 4215 | AT-LDM-S  | Open Chassis: 230Vac with sounder    |
|                      |                  | 4220 | AT-LDM-SM | Enclosed: 230Vac with sounder & mute |

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## Operational Notes

All Modules are Auto Reset and the relay contacts will remain activated as long as the sensor is wet.

On Modules with sounders fitted the sounder can be temporarily silenced by removing a link on the open chassis version or operating the switch on the enclosed versions

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### Aquilar Limited

Dial Post Court, Horsham Road,  
Rusper, West Sussex RH12 4QX. UK  
Tel: + 44 (0) 1293 871874  
Fax: +44 (0) 8707 940 320

E-mail: [info@aquilar.co.uk](mailto:info@aquilar.co.uk)  
[www.aquilar.co.uk](http://www.aquilar.co.uk)

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