

# AquiTron

**AT-G-ALERT-C**  
Refrigerant Leak  
Monitor



**DATA SHEET**



**aquilar**  
leak detection solutions



# AT-G-ALERT-C

## Refrigerant Leak Monitor

The AT-G-ALERT-C Refrigerant Leak Monitor provides centralised monitoring and alarming for multi-occupant applications utilising the AT-G-ALERT Refrigerant Leak Detectors. The AT-G-ALERT-C continuously monitors all connected devices for alarm and fault conditions and will provide alerts via the integrated color touchscreen and built-in relays.

### DESCRIPTION

The AT-G-ALERT-C refrigerant leak monitor is a system controller that manages and monitors a network of AT-G-ALERT refrigerant leak detectors. Functions include system status, Modbus address assignment, centralized alarming, relay outputs and data logging. A single AT-G-ALERT-C system controller is capable of managing up to 100 AT-G-ALERT Refrigerant Leak Detectors.

### FEATURES & BENEFITS

- **Visual Status Indication** - At a glance visualisation of whole system alarm, fault, or connectivity status
- **Integrates with Refrigerant Detectors** - Centralised monitoring for multi-occupant applications utilising the AT-G-ALERT refrigerant detector
- **Continuous update** - Continuously monitors all connected AT-G-ALERT detectors for alarm and fault conditions, ensuring and warning in case of any disconnect
- **Relay Outputs** - 1 Alarm Relay; 1 Fault Relay; automatic system action to be taken for fault or alarm condition via built-in relays
- **Event Log** - Rolling event log of 100 most recent events (alarms, faults, connectivity, etc.) saved to SD card
- **Broad Network** - Up to 100 devices connected into a single network, grouped into manageable blocks with up to 15 AT-G-ALERT refrigerant detectors per gateway.
- **Device ID Auto-assign** - Commissioning via dynamic device pairing and remote Modbus auto-assign save.

## PRODUCT SPECIFICATIONS

<b>Housing</b>	Fiberglass Reinforced Polyester, Wall Mount, Single-door
<b>Dimensions</b>	344 × 291 × 139 mm
<b>Weight</b>	3.54Kg
<b>Display Type</b>	Colour Touch Display, Resistive Analogue, TFT
<b>Display Viewing Size</b>	5 inch, 800 × 480 pixels
<b>Audible Alarm</b>	Integrated
<b>Relay Outputs</b>	2 (Fault, Alarm)
<b>Relay Output Type</b>	Fault and Alarm
<b>Relay Switching Rating</b>	2.0 Amps switching current, max 250VAC / 30 VDC
<b>Max. Devices</b>	100 × AT-G-ALERT refrigerant leak detectors 15 × AT-G-ALERT refrigerant leak detectors / Gateway 7 × Gateways / AT-G-ALERT-C refrigerant leak monitor
<b>Communication</b>	Modbus TCP Master, 10/100 Ethernet, RJ45 Port
<b>Serial Port</b>	1 × RS485 Modbus RTU Master (for direct addressing)
<b>Memory Storage</b>	microSD Card and USB 2.0
<b>Backup Battery</b>	CR2032 (Real-time Clock)
<b>Operating Voltage</b>	24V DC
<b>Input Voltage Range</b>	20.4VDC to 28.8VDC
<b>Max. Current Consumption</b>	0.44A @ 24VDC
<b>Operating Temperature</b>	-20° C to 55° C
<b>Storage Temperature</b>	-30° C to 70° C
<b>Relative Humidity</b>	5% to 95%
<b>Approvals (Pending)</b>	EN 61326-1:2013

## APPROVALS (PENDING)

EN 61326-1:2013

## ORDERING INFORMATION

<b>Catalogue number</b>	6250 - AT-G-ALERT-C System Controller for AT-G-ALERT gas detectors, Modbus, Data logging, fault and alarm relays.
	6251 - AT-G-ALERT-SWITCH Ethernet switch 8-port, unmanaged, DIN-Rail
	6252 - AT-G-ALERT-GATEWAY Ethernet-to-serial (Modbus) Gateway (pre-configured) - DIN-rail
	6253 - AT-G-ALERT-EZ Modbus EX-wire kit.



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