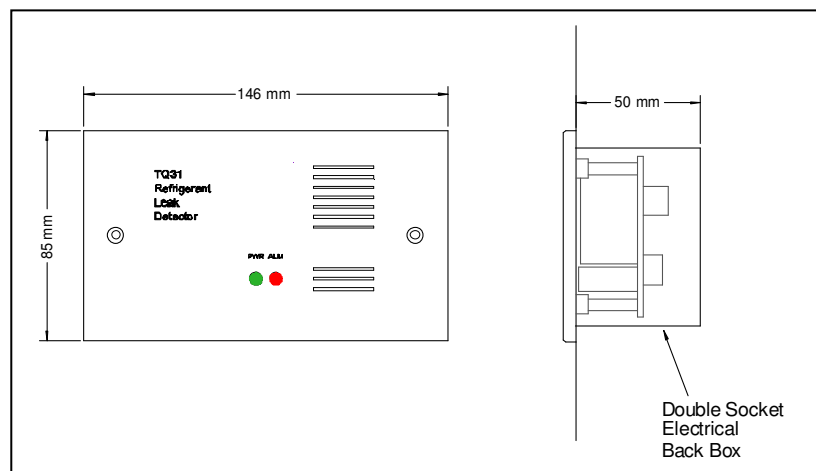


TQ31 SINGLE POINT STANDALONE REFRIGERANT LEAK DETECTOR

FEATURES

- Monitors all refrigerant gases typically used in air conditioning systems.
- Standalone sensor for room monitoring, designed for flush mounting.
- Simple installation replaces electrical socket, 220/240v 50Hz mains supply
- Power and Alarm LED's plus internal sounder for local indication.
- Alarm relay outputs can be used for local switching of equipment and remote monitoring.
- Long service life, no in service calibration.



Stand alone, single point refrigerant detector and alarm unit ideal for room monitoring. The **TQ31** is specifically designed to monitor for the build up of refrigerant gases typically used in air conditioning systems.

Resistant to cross sensitivity from hairspray and deodorants so can be used in hotel or office applications.

Designed as a single point, self-contained unit but can be connected to a TQ32 Area Alarm panel for remote monitoring and group alarms.

Gas Monitoring Solutions

The TQ31 is used to detect the presence of Refrigerant gases commonly used in air conditioning systems.

The discreet, self contained sensor is ideal for room monitoring. Fitted with simple LED indication and internal sounder, which can be disabled when remote monitoring

The sensor can be used individually or part of a group monitoring complex. 2 sets of alarm contacts allow the sensor to control local equipment eg. Plant shutdown and provide remote alarms.

The sensors are also available in a wide range of different colours including white and brushed aluminium.

Groups of sensors can be connected to a TQ32 Area Alarm panel, situated conveniently on each floor for example, for group indication and room identification.

If required several TQ32 Area Alarm panels, covering individual floors can be linked to a Central TQ35 Alarm panel to raise the alarm at a reception desk or security station for example.

TQ Environmental Limited, operate a policy of continual product development which means the specification is subject to change without prior notice.

For full assistance with your application contact TQ.

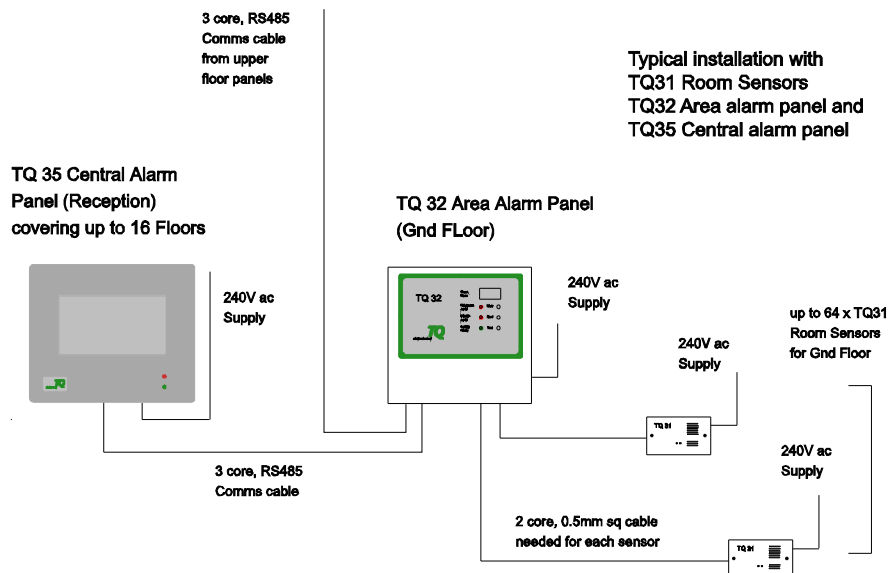


Cert No. LRQ 0958602

D8-TQ31-0121

SPECIFICATION

Dimensions	H 85 x W 146 x D 50 mm
Mounting method	Flush mounted double electrical socket
Temperature range	-10° / +40° C Non condensing
Gases detected	Halocarbon Refrigerants, Typ. R134a, R404a, R407c, R410a, R32, R1234ze
Weight	0.3 Kg
Sensor Range	10,000 PPM
Sensor warm up time	Typically 3 minutes to settle, allow 24 hours for best performance
Alarm level	Alarms are preset to 8000 ppm and factory tested with refrigerant test gas.
Input supply voltage	240v, 50/60 Hz – Standard option. (24v DC option also available)
Power consumption	Typ. < 1.5w
Alarm Outputs	2 x sets of volt free alarm contacts Normally Open / Closed contacts . 2A max switching current, DC only
Indicators	Power Led (Green) Alarm LED (Red)
Sounder (Selectable)	Piezo Alarm, min, >80dB continuous tone @900mm
Life expectancy	> 3 years
Warranty	12 Months



PARTS LIST

310-001	TQ 31 Refrigerant Sensor 10,000 ppm. Red alarm LED with internal sounder, 240v ac powered, white faceplate.
	Please contact sales@tqenv.com for further faceplate options

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