

TQ126

SINGLE POINT GAS DETECTION CONTROL SYSTEM

FEATURES

- Low cost stand alone detection system
- Wide variety of sensors available
- 24v DC operation
- 2 configurable alarm level
- Fault plus 2 alarm level vfc alarm contacts
- RS485 MODBUS output available for remote monitoring
- Easy sensor replacement
- Menu driven set up and calibration, pre set to your requirements
- Simple calibration requirements but with support and service available.



The **TQ126** series is a wall mounted single point gas detection controller, complete with display alarm LED, relays and buzzer.

For high integrity single point systems, the **TQ126** is ideal when local display and annunciation are required at the point of detection. Fault plus 2 alarm relays as standard

The **TQ126** can be used in conjunction with a range of sensors to detect flammable, toxic gases and oxygen depletion using electrochemical and catalytic type sensors.

All units have 4-20 mA outputs for remote indication if required. RS485 MODBUS output is also available giving concentration values and alarm state.

The **TQ126** has been developed to provide a low cost solution to local single point detection of toxic and flammable gases.

The **TQ126**, in conjunction with our series of toxic, flammable and Oxygen sensors, offers a high degree of flexibility. They can be used as follows:-

- As a combined sensor and control unit for safe area applications
- As a safe area control unit with remote hazardous area sensors. (See diagram below)

The TQ126 controller is unique in the range, as it provides a 4-20mA output for concentration, when using catalytic sensors. This is derived from the 24V supply. The TQ126 cannot be powered from the 4-20mA line.

If a 24V is not readily available, the units can be powered with 24V DC from a universal 110 / 240 ac power supply unit. (Part No. 126-070).

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

D4-126-0315

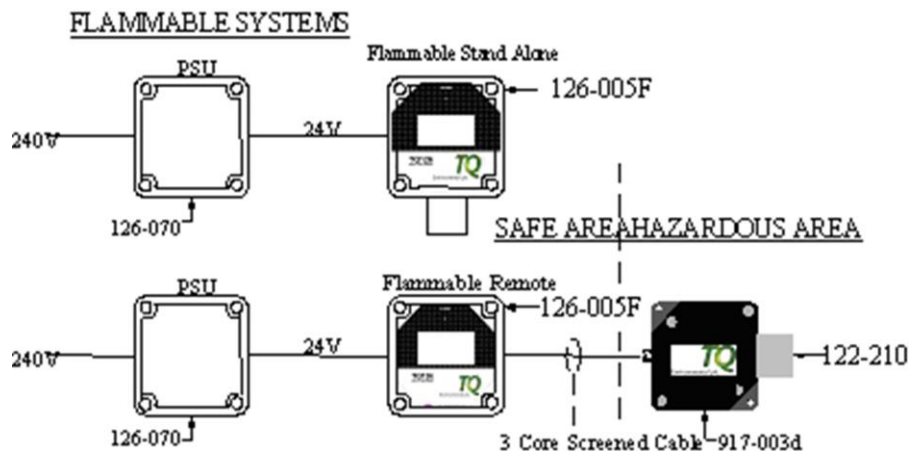
SPECIFICATION

Size	W120 x H120 x D80 mm
Power	24V DC
Cable Entry	20mm cable gland
Fixing Detail	4 fixing holes 90° spacing
Temperature Range	0-40°C
Sensor Operating Life	2 years at STP – Electrochemical 3 years at STP – Catalytic
Accuracy	+/-2% at STP
Pressure Range	900-1100mbar
Repeatability	+/-1% of reading
Outputs	3 x 5A Relay Contacts, RS 485 MODBUS, 4-20mA Internal buzzer optional.
Display	2 line LCD

PARTS LIST

126 Control Unit, supplied without sensor but complete with display, alarm relays, alarm LED, MODBUS and 4-20mA output signal	126-005
Power supply unit, universal mains input voltage 24 V DC output	126-070

Control units, and systems complete with sensors, are available for a wide range of toxic and flammable gases. Please specify gas type required when ordering or contact TQ sales office for clarification. The TQ126 can be supplied with an internal buzzer - please specify if required.



**OTHER SENSORS FOR TOXIC SYSTEMS ARE AVAILABLE
PLEASE CONSULT TQ**

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