



5 Sandhill Court, Unit C
 Brampton, ON L6T 5J5
 (905) 790-8667
 info@airex.ca
 www.airex.ca

Complete this selection
 worksheet & email to:
 info@airex.ca
**Get in touch &
 let's get to work.**

SELECTION WORKSHEET & APPLICATION GUIDE

QEL SENSOR

Airex provides the following guide for informational and reference purposes only.

Project Name: _____ Date: MM/DD/YYYY
 Address: _____
 Engineer: _____
 Customer: _____

Are you matching another product? Yes No Manufacturer: _____ Model: _____

Choose desired Gas & then Sensor in that row (second table is for 2 sensors if needed)

Gases	Sensor 1	Sensor Props.
Oxygen (O ₂) Nitrogen Oxide (NO) Carbon Monoxide(CO) Hydrogen (Including H ₂ , HCN, HCL) Other Gas(Contact Technical Sales _____) <i>Gas Type</i>	Nitrogen Dioxide(NO ₂) Ammonia (NH3) Carbon Dioxide(CO ₂)	Sensitivity: _____ PPM or % LEL Qty _____
Refrigerants (_____) <i>Refrigerant Type</i>	QIRF	
Gases	Sensor 2	
Oxygen (O ₂) Nitrogen Oxide (NO) Carbon Monoxide(CO) Hydrogen (Including H ₂ , HCN, HCL) Other(Contact Technical Sales _____) <i>Gas Type</i>	Nitrogen Dioxide(NO ₂) Ammonia (NH3) Carbon Dioxide(CO ₂)	Sensitivity: _____ PPM or % LEL Qty _____
Refrigerants (_____) <i>Refrigerant Type</i>	QIRF	

Sensitivity units: PPM=Parts per Million, %LEL =Lower Explosive Limit. (Please choose one)

Where will this sensor be used (choose one)

- Garage (CO for Gasoline, NO₂ + CO for Diesel)
- School
- Mechanical
- BatteryRoom
- Storage
- Other: _____

How many total sensors in the system (all sensor types)?

Qty _____

Do you need a controller?

(1 or 2 sensor systems can be implemented with **standalone** sensors)

Yes (See QEL Controller Selection Sheet)

No (Standalone, see below)

Is it in an Explosion Proof Area?

Yes

No

Standalone Sensors Section

Note: Both Q5 and QIRF have 3 on-board relays. If you need more relays, use a controller.

Do you need a Controller?

Yes (Go to Next Page)

No (Standalone)

Include a MC50 Transformer?

Yes (Most Common)

No



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QEL CONTROLLER

How many sensors are in the system? _____

(4-20mA outputs are addressed in the "Accessories" section)

How many relay outputs do you need? _____

*Note: A relay can control one device (i.e: fan, damper etc).
 Have atleast one relay for every device you want to
 activate by controller.*

Are you matching another product? Yes No

Manufacturer: _____

Model: _____

Find your controller on the Chart *(choose one)*

# of Sensors	# of Relays	1-4 Relays	4-12 Relays
1-4 Sensor Units	Q4C	Q4C with Relay Board	M-Controller with M-Relays
Up to 32 Sensor Units	M-Controller	M-Controller(3 relays standard)	M-Controller with relays

Accessories

Q4C Accessoris <i>(Choose 1-2 out of 3 below)</i>	M-Controller Accessories <i>(max of 3)</i>
I need to send a 4-20mA output; Include the Analog output Board.	I need up to eight 4-20mA outputs; Include the Analog output Card.
I need 1-4 Relay outputs from the table above; Include the relay board.	I need more than 3 relay outputs, please include the following amount of Relays _____ <i>(max of 96 relays per controller)</i>
I want to connect this to an existing M-Controller; Include the RS-485 Board	I would like Buzzer alerts, Include the M-Annunciator

Each relay can control one NO and one NC contact.

Accessories for Both Controllers

Do you need a transformer to supply 24VAC or 24VDC to the sensors and controllers?

Yes *(include MC50 Transformer)*

No *(very rare)*

Do you need Horns and/or Strobes?

Yes *(include the M-STROBE)*

No

Installation Notes

Digital communication from sensors to controllers requires **shielded, twisted pair cable**. Failure to provide shielded cable can lead to equipment failure.

Power cabling does not have to be shielded.