



**A multi-drop Modbus RS485 interface
for the Searchpoint Optima Plus
and Searchline Excel infrared gas
detection products**

DX100M Modbus interface module



Features

- Up to 32 detectors on single multi-drop cable
- Detector status and configuration available at control room
- Warning/ Fault diagnostics available at control room
- Local calibration/ configuration
- 4-20mA output

Applications

- On and offshore oil and gas exploration and extraction
- Chemical and Petrochemical plants
- Oil and gas distribution and many other Industrial applications.

The DX100M Modbus interface module provides a multi-drop Modbus RS485 interface for the Searchpoint Optima Plus and Searchline Excel infrared gas detection products. The DX100M also provides an interface for the handheld interrogator (SHC-1) to facilitate local calibration and configuration facilities of the detector.

The multi-drop Modbus capability enables significant savings in installation and cabling costs. Additionally, the 2 way digital communication protocol allows configuration and fault diagnosis information to be communicated back to the control room. This further reduces servicing and maintenance costs as the operator can diagnose the state of any individual unit before deciding to send anyone into the field.



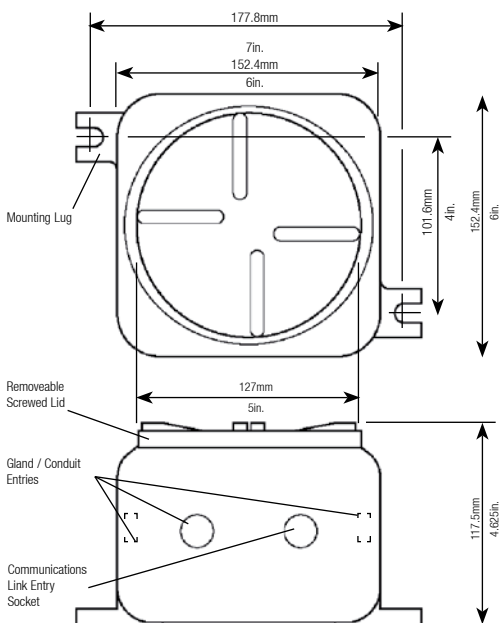
General Specification



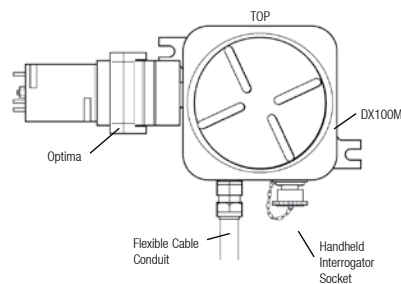
General Specification

Electrical	Supply Voltage:	18V to 32V
	Power Consumption (Module only):	< 1.5W
	Modbus Interface (Electrical):	Isolated multi-drop RS485 Transceiver
	Maximum Number of Units on RS485 Network:	32
	Analog output:	4-20mA (Non Isolated)
Communications	Communications Protocol:	Modbus RTU
	Programmable Addresses:	0-98 (99 Default address) Address programmed via PC or SHC-1
	Data Rate:	9,600 baud
	Time to Commence Responding to Request:	<= 0.1 mS
	Compatible Detectors:	Searchline Excel Searchline Excel Duct Mount Searchpoint Optima Plus
	SHC-1 Handheld Connection:	IS protected, 3 pin socket
Environmental	Operational Temperature Range:	UL -25°C to +40°C (-13°F to +104°F) CSA -55°C to +40°C (-67°F to +104°F)
	Enclosure Entries:	Three off 3/4" NPT
	Enclosure Material:	Aluminum
	Weight:	2.5kg (5.5lbs)
	Ingress Protection (Inside DX-100M):	IP66 (Nema 4x)
	EMC Compliance:	EN50270 (1999)
Certification	UL\CSA\FM:	Class 1, Div 1, Groups B, C and D UL:(-25°C to +40°C) CSA\FM:(-40°C to +65°C)
	Performance Approval:	FM Approved

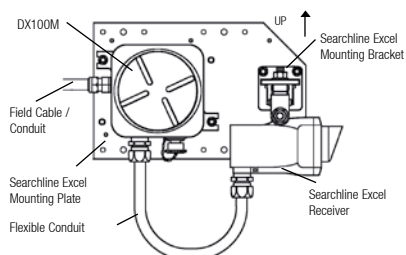
DX100M Dimensions



Searchpoint Optima Plus / DX100M Installation



Searchline Excel / DX100M Installation



Our Product Range



Fixed Gas Monitoring

Honeywell Analytics offers a wide range of fixed gas detection solutions for a diverse array of industries and applications including: Commercial properties, industrial applications, semiconductor manufacturers, energy plants and petrochemical sites.

- » Detection of flammable, oxygen and toxic gases (including exotics)
- » Innovative use of 4 core sensing technologies – paper tape, electrochemical cell, catalytic bead and infrared
- » Capability to detect down to Parts Per Billion (ppb) or Percent by Volume (%v/v)
- » Cost effective regulatory compliance solutions

Portable Gas Monitoring

When it comes to personal protection from gas hazards, Honeywell Analytics has a wide range of reliable solutions ideally suited for use in confined or enclosed spaces.

These include:

- » Detection of flammable, oxygen and toxic gases
- » Single gas personal monitors – worn by the individual
- » Multi-gas portable gas monitors – used for confined space entry and regulatory compliance
- » Multi-gas transportable monitors – used for temporary protection of area during site construction and maintenance activities

Technical Services

At Honeywell Analytics, we believe in the value of great service and customer care. Our key commitment is providing complete and total customer satisfaction. Here are just a few of the services we can offer:

- » Full technical support
- » Expert team on hand to answer questions and queries
- » Fully equipped workshops to ensure quick turnaround on repairs
- » Comprehensive service engineer network
- » Training on product use and maintenance
- » Mobile calibration service
- » Customised programmes of preventative/corrective maintenance
- » Extended warranties on products

Find out more

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