

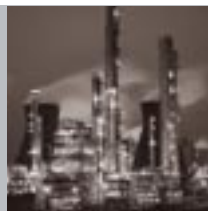
Sieger DX100M Modbus interface module

Honeywell



**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.

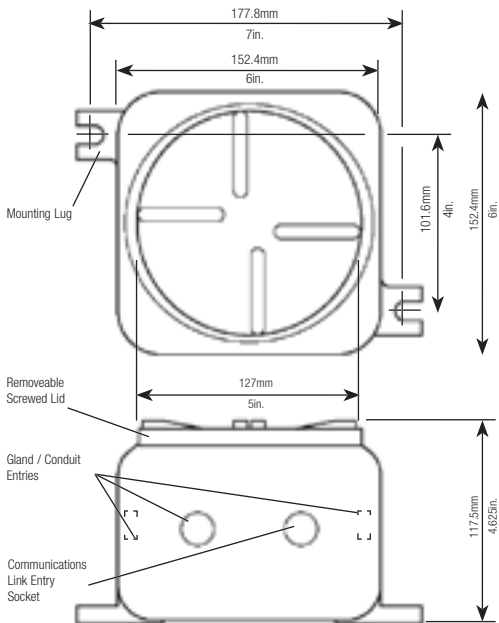


General Specification

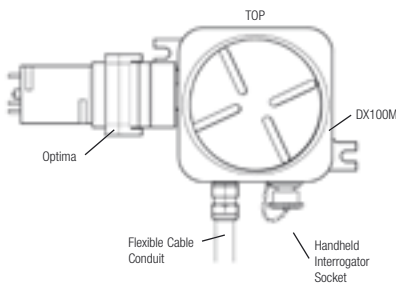


General Specification		
Electrical	Supply Voltage:	18V to 32V
	Power Consumption (Module only):	< 1.5W
	Modbus Interface (Electrical):	Isolated multi-drop RS485 Transceiver
	Maximum Number of Units on RS485 Network:	32
	Analog output:	4-20mA (Non Isolated)
Communications	Communications Protocol:	Modbus 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 IS protected, 3 pin socket
Environmental	SHC-1 Handheld Connection:	IS protected, 3 pin socket
	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)
Certification	Ingress Protection (Inside DX-100M):	IP66 (Nema 4x)
	EMC Compliance:	EN50270 (1999)
	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

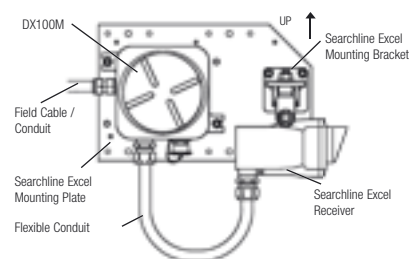
DX100M Dimensions



Searchpoint Optima Plus / DX100M Installation



Searchline Excel / DX100M Installation



As World leaders in gas detection solutions, Honeywell Analytics' Sieger systems provide the most efficient, practical and cost-effective fixed-point equipment. Wherever protection is required from flammable or toxic gases, you can rely on our equipment to provide practical solutions and to help keep your business running safely and profitably.

The Sieger range of premium fixed gas detection



Apex

Typically used in the oil and gas distribution, petroleum extraction and chemical manufacturing industries, the Apex gas detector and transmitter functions across a wide range of detectable flammable and toxic gases. With its rugged 316 stainless steel enclosure, it is especially suited for extreme conditions, and provides a cost-effective gas detection solution for a wide range of applications.



Searchline Excel

Searchline Excel Cross Duct™ is an open path infrared gas detector for the detection of Hydrocarbons within HVAC air intakes and ventilation ducting systems up to 5 meters in width.

It is based on the proven Searchline Excel, which covers ranges up to 200m.

ClearShield™ glass coating, infrared beam and heated optical surfaces all combine to reduce downtime and increase system availability.



Searchpoint Optima Plus

Designed for use in potentially explosive atmospheres in harsh environmental conditions, SearchPoint Optima Plus is ideal where speed of response, reduced maintenance and failsafe operation is essential. Common applications include offshore platforms, production storage and offloading vessels, and oil and gas terminals.



Signalpoint

Signalpoint is a self-contained gas sensor system for either combustible or toxic gases, designed to make installation simple and maintenance minimal. Constructed in strong plastic, it is particularly suited for indoor applications in light industrial environments.



System 57

The System 57 controller provides display and alarm facilities for the full range of gas detectors. It comprises a rack unit with mounting options for channel control cards and interface cards.

Find out more

www.honeywellanalytics.com

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Searchflame 16

Searchflame 16 is a range of optical flame detectors for detection of Hydrocarbon and non-Hydrocarbon flaming fires in designated hazardous areas. Operating on UV or UV/IR principles, they have a 120-degree field of view, providing the widest coverage available by any product.



705 HT Sensor

The 705 High Temperature Sensor is a hazardous area certified sensor for the detection of combustible gases.

Honeywell