

Material Number: 23-05-25203  
DETECTOR, FIRE PROTECTION:  
TYPE: UV/IR FLAME  
TEMPERATURE RATING: -40 to 110 DEG.C  
VOLTAGE: 24 VDC  
AMPERAGE: 4-20MA (OUTPUT SIGNAL)  
EXD CLASS: CLASS 1, DIV. 1 & 2, GROUPS B, C, & D, CLASS II, DIV. 1 & 2, GROUPS E, F, & G  
IP DESIGNATION: IP66  
OPERATING TEMPERATURE: -60 to +85°C  
ZONE: ZONE 1  
APPLICATION: FIRE & GAS SYSTEM

TEXT:SPARE FOR F & G SYSTEM QUADBAND™ TRIPLE IR FLAME DETECTOR  
(FITTED WITH HART MODULE)  
MAKE: HONEYWELL  
TYPE: UV/IR (MODEL DECODE BELOW) 9= STANDARD HONEYWELL ANALYTICS DETECTOR  
- 90° FIELD OF VIEW 1= GENERAL APPLICATIONS 1= RELAYS / 4-20MA / FIREBUS II /  
MODBUS 23= ALUMINUM,  
25 MM CONDUIT 3= FM, CFM, ATEX, IECEX (CLASS 1,ZONE1) ENCLOSURE MATERIAL: DIE  
CAST ALUMINUM,  
SENSOR MATERIAL: 316 SS IP 66, OPERATING CONDITIONS: -60 TO +85°C, 5 TO 98% RH  
FIELD OF VIEW: 90°  
FULL 100% CONE OF VISION ± 45° FROM ON AXIS RESPONSE TIME: 3-5 SEC TO 1SQ. FT N-  
HEPTANE AT 100'  
3-10 SEC TO 1SQ. FT N-HEPTANE AT 200FT CERTIFICATION: ATEX II 2 GD; EX D IIC T4  
(TA: -40 TO +110°C),  
T5 (TA: -40 TO +75°C), T6 (TA: -60 TO +60°C) FM CLASS 1, DIV. 1 & 2, GROUPS B, C, & D;  
CLASS II, DIV. 1 & 2,  
GROUPS E, F, & G;CLASSIII POWER CONSUMPTION: OPERATING 56MA AT 24VDC NOMINAL  
OUTPUT SIGNALS: 0-20  
MA STEPPED - SOURCE OR SINK USER SELECTABLE 2XSPDT (ALARM & AUXILIARY) &  
1XSPST (FAULT) RELAY  
CONTACTS CABLE ENTRIES: 2XM25

MANUFACTURER DETAILS:  
MFG: HONEYWELL/NO: FS20X-911-23-1

Material Number: 23-05-25205  
DETECTOR, FIRE PROTECTION:  
TYPE: POINT TYPE (IR Detector)  
TEMPERATURE RATING: -40 TO 85 DEG C  
VOLTAGE: 24 VDC  
AMPERAGE: 4-20 MA OUTPUT SIGNAL(SINK OR SOURCE)  
EXD CLASS: CLASS I,DIV. 2,GROUPS B,C,& D,  
IP DESIGNATION: IP65  
OPERATING TEMPERATURE: -60 to +85°C  
ZONE: ZONE 1  
APPLICATION: FIRE & GAS SYSTEM

TEXT:SPARE FOR F & G SYSTEM IR POINT GAS DETECTOR (GDP)  
MAKE: HONEYWELL (HYDROCARBON CALIBRATION, WITH DUST BARRIER, WEATHER  
HOUSING, DELUGE/HEAT SHADE)  
TYPE: POINT TYPE SEARCHPOINT OPTIMA PLUS FOR HYDROCARBON CALIBRATION  
(0-100%LEL) WITH DUST BARRIER,  
WEATHER HOUSING, DELUGE/HEAT SHADE & HART COMMS PROTOCOL CLASS 1 , DIV 2,  
GROUP (B, C & D) ENCLOSURE  
TYPE: EEX'D' IIC T4, IP 65 SUPPLY VOLTAGE:24 VDC OUTPUT SIGNAL4-20 MA SINK OR  
SOURCE DETECTION RANGE: 0-100 %  
LEL STANDARD RESPONSE TIME: T50< 3SECONDS, T90< 4SECONDS OPERATING  
TEMPERATURE: 2.3°C - 49°C  
DETECTOR HOUSING MATERIALS 16 STAINLESS STEEL (CF8M) ACCESSORIES: DUST/SPLASH  
GUARD, MOUNTING KIT  
EEX'D' IIC T4, CLASS 1 , DIV 2, GROUP (B, C & D) POWER CONSUMPTION: < 4.5W  
ELECTRICAL  
CONNECTION: M20 FUNCTIONAL SAFETY: SIL2 TO IEC61508  
MANUFACTURER DETAILS:  
MFG: HONEYWELL/NO: 2108N4000H

Material Number: 28-52-9534  
CONVERTER:  
TYPE: Multiple Protocol

TEXT:SERIAL / ETHERNET  
PART NUMBER: DSPLE000  
PRE-ASSEMBLED OPTION CARD WITH RS232 & RS485 PORTS,  
PART NUMBER: XCRS  
MAKE: RED LION CORPORATION  
To be supplied with Programming software  
Crimson 3.0 for programming DSPLE000, XCRS  
Along with necessary licences

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**Total Material Value with Surcharges**

Code	Description	Unit of Measurement	Quantity
	FOB /Packing Charges (If any)	LUMPSUM	1
	Freight (if any)	LUMPSUM	1

**CONFIRM FOLLOWING AS PROVIDED IN THE BID**

Question	Description
Delivery Period	Delivery Period
Bid Validity	Bid Validity (180 days)
Delivery Terms	Delivery Terms
Country of Origin	Country of Origin
Port of Shipment	Port of Shipment
Payment Terms	Payment Terms [LC /CAD/ Net 30 days]