



RADIO MODULE (CDRM)

Compatible with CONNEX 3D™ Flexible Meter

The Radio Module for CONNEX 3D™ Flexible Process Meter is a wireless I/O monitoring solution solving vast numbers of industrial automation challenges using point-to-point radio communications. Never trench or run conduit and wires again. The savings of hardware and installation cost is significant and will provide fast, reliable remote monitoring and control/alarming to the CONNEX 3D™ monitoring solution.

FEATURES & BENEFITS

- Replicate raw signals in either direction
- No software or programming required
- Easily mounts on 35 mm DIN rails
- Class I, Div 2 (Zone 2)
- -40°F to 176°F (-40° to 80°C)
- 900 MHz or 2.4 GHz radio operation
- Secure AES encryption
- 5 year warranty

HOW CONNEX 3D™ WORKS

The CONNEX 3D™ Flexible Process Meter is a revolutionary concept in the process instrumentation market. It is flexible, versatile and adaptable due to the variety of modules that connect to each other. Think of the modules like Legos®, pick and choose from a wide variety of options that plug into your CONNEX 3D to create a unique system to fit your exact needs.

COMPATIBLE MODULES



Digital Display



Analog Inputs



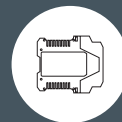
Cellular



AC or DC Power Supply



TCP/IP Ethernet



Radio



Data Logger



Relay and Pump Control

SPECIFICATIONS

FREQUENCY	902-928 MHz or 2.4 GHz License-Free ISM Band
ANTENNA CONNECTOR TYPE	SMA (Female Connector)
DEFAULT TRANSMIT SPEED/ UPDATE	1 Second
TURBO TX SPEED BASED ON NUMBER OF I/O MODULES	1=100 ms, 2-3=200 ms, 4= 250 ms, 5-6=333 ms, 7-11=500 ms, 12-16=1 second
OUTDOOR/LINE OF SIGHT MAX RANGE2	900 MHz: 6.3 Miles (10.1 Km) 2.4 GHz: 5.7 Mile (9.2 Km)
INDOOR/URBAN RANGE	900 MHz: 1000 ft (305 m) 2.4 GHz: 300 ft (90 m)
MAXIMUM TRANSMIT POWER (ADJUSTABLE WITH ADVANCE UI)	900 MHz: 24 dBm (250 mW) 2.4 GHz: 18 dBm (63 mW)
RECEIVER SENSITIVITY	900 MHz: -101 dBm / 2.4 GHz: -100 dBm
SPREAD SPECTRUM	900 MHz: FHSS / 2.4 GHz DSSS
RF SECURITY	128-bit AES Encryption

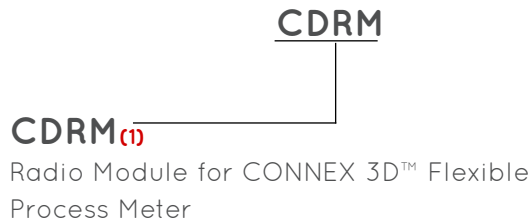
CONTROLLED LOCAL SHUTDOWN(ESD)	Yes, via Provided Dry Contact Input
RF LINK ALARM DIGITAL OUTPUT	Adjustable 2 to 10-Second RF Timeout Trigger (NPN)
I/O LINK ALARM DIGITAL OUTPUT	I/O Mismatch, Bus or Module Failure (NPN)
RF LINK DIAGNOSTICS (LEFT LED)	Green = RF Traffic / Yellow = RF Link Fail
I/O LINK DIAGNOSTICS (RIGHT LED)	Green = I/O OK, Modules Detected / Red = I/O Link Fail
SUPPLY VOLTAGE RANGE	9 - 30 Vdc (± 5 %)
REVERSE POLARITY PROTECTION	Yes
ADVANCED USER INTERFACE FEATURES	Test RSSI, Tx Power Adjustment, Force Local Output(s), Set Fail-Safe Parameters, and Additional Diagnostics
POWER CONSUMPTION	35 mA @ 12V AVG (10% Duty Cycle)
Specifications are subject to change without notice.	

ORDERING INFORMATION

FLO-CORP MODEL NUMBER BUILDER

For Assistance Call **877.356.5463**

Example: CDRM Radio Module for CONNEX 3D™ Flexible Process Meter



ORDERING NOTES

(1) Compatible with the CONNEX 3D™ Flexible Process Meter

CONNEX 3D™ Flexible Process Meter

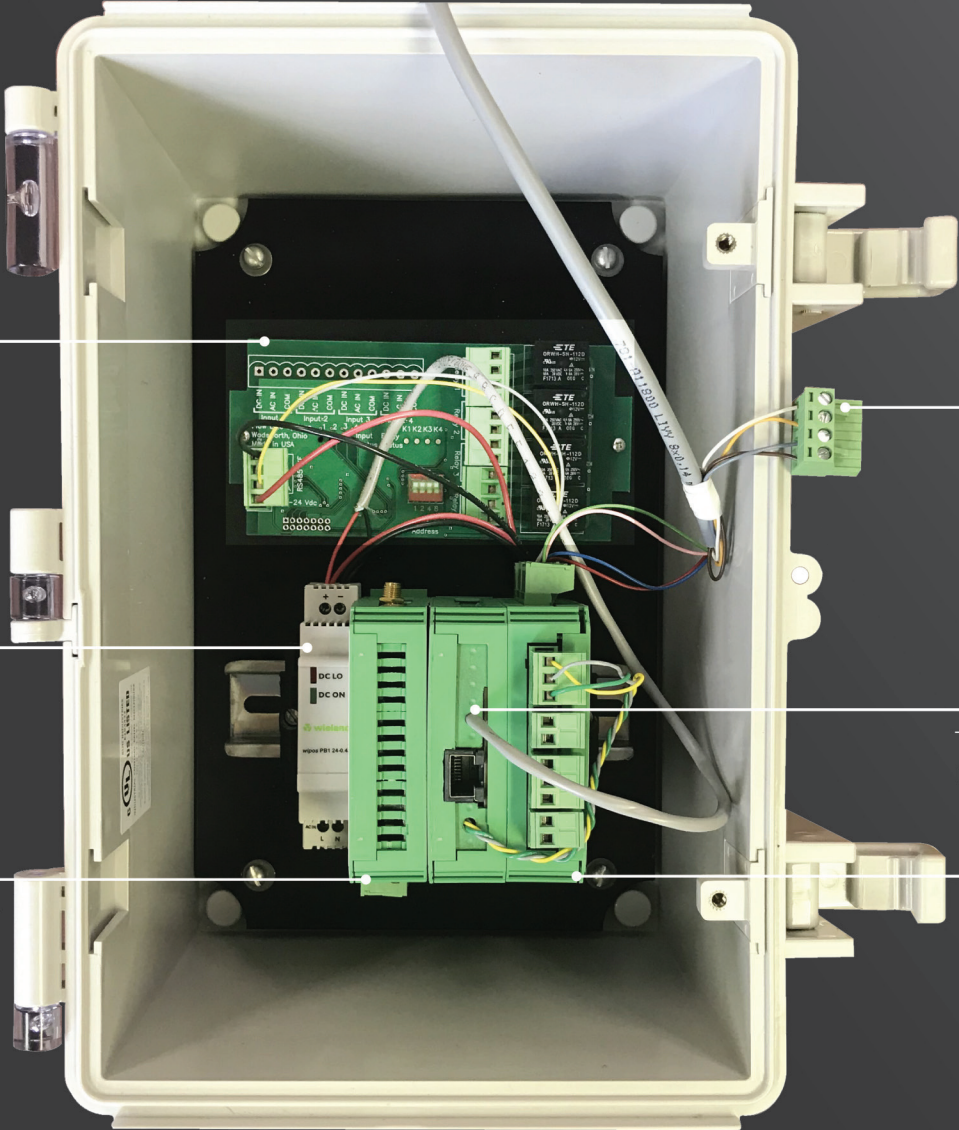
Pick and choose from a wide variety of modules to create the best fit

Select > Connect > Monitor

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digital display module (CDDM)



relay module (DMX1)

auxiliary plug

AC/DC power supply module (CPSM)

TCP/IP ethernet module (C485)

cellular and datalogger module (CELL-CDDL)

analog input module (CAIM)