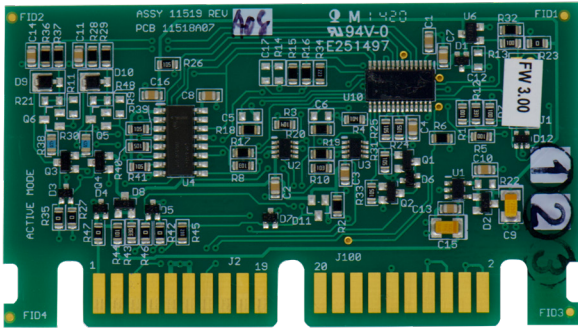




# AdaptaNet

## AUTOMATIC BUS NETWORK FAULT DETECTION AND ISOLATION



AdaptaNet Card

- Automatic bus network fault detection and isolation system
- Immediately identifies and isolates faulty sensors without network disruption
- Drop-in replacement for existing Field Interconnect Box backplanes
- Troubleshooting is made easier on CMC's digital HazMon network
- Safer, more efficient operations with a lower cost of ownership!
- Industry leading Hazard Monitoring technology

AdaptaNet is an automatic fault detection and isolation system for CMC single-wire bus networks. It immediately detects and isolates a faulty sensor from the network without that sensor disrupting the network. Detection time is immediate and the system is instantly back and operating normally with the faulty sensor isolated from the bus network. CMC's Intrinsically Safe (IS) HazMon systems are now even easier to troubleshoot than before enabling operators to run safer, more efficient operations.

AdaptaNet is designed to be a drop-in replacement backplane for existing TYPE 4X field interconnect boxes.

As a result, CMC's robust digital network is less susceptible to water ingress leading to nuisance alarms. In addition to providing immediate fault detection and isolation of faulty sensors on the network, AdaptaNet also provides a convenient method of connecting field devices to the HazMon network.

CMC's IS Hazard Monitoring systems are plug-and-play making it straightforward to replace faulty sensors and resume safe operation immediately – no special tools or training required. CMC's systems also have a lower cost to install using HazMon-In-A-Box™ kits and a lower cost of ownership than legacy systems.

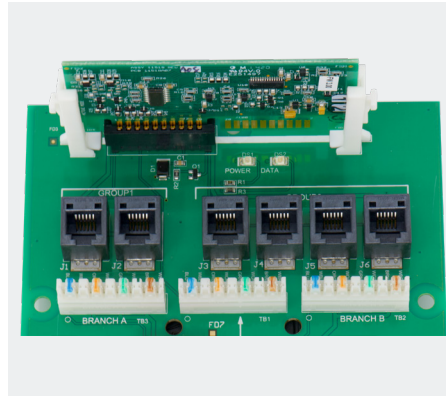


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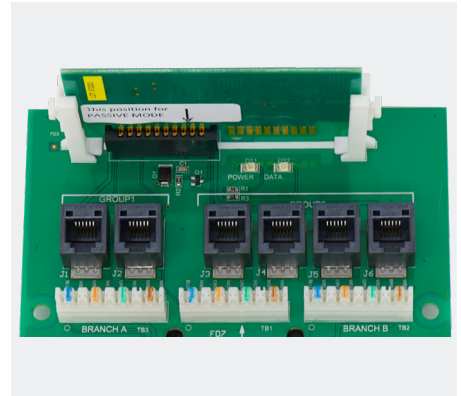
## AUTOMATIC BUS NETWORK FAULT DETECTION AND ISOLATION



Field Interconnect Box (FIB)



Active Mode



Passive Mode

SPECIFICATIONS	DESCRIPTION	CHARACTERISTIC
IS SENSOR BUS	Voltage Communications	5 VDC Single-Wire Bus
DC POWER	Voltage Range Current	4 - 5.5 VDC 0.8uA Typical (3mA max w/backplane)
ENVIRONMENT	Operating Range Relative Humidity	-40°F to +131°F (-40°C to +55°C) 0 to 95% non-condensing
FIB ENCLOSURE DIMENSIONS	Length Width Height	5.9" (150mm) 5.9" (150mm) 3.6" (90mm)
GENERAL SPECIFICATIONS	110 Style Insulation Displacement Connectors for CAT5/6 bus wiring RJ11 modular connectors for 6 field devices Segment isolation switches for 2 branches LED indicators for power and data signals Housed in rugged plastic enclosure rated TYPE 4X with O-ring seal Clamp brackets for CAT5/6 cable shield or armor bonding Grounding plate for conduit bonding	

ADAPTANET DS 0922

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