

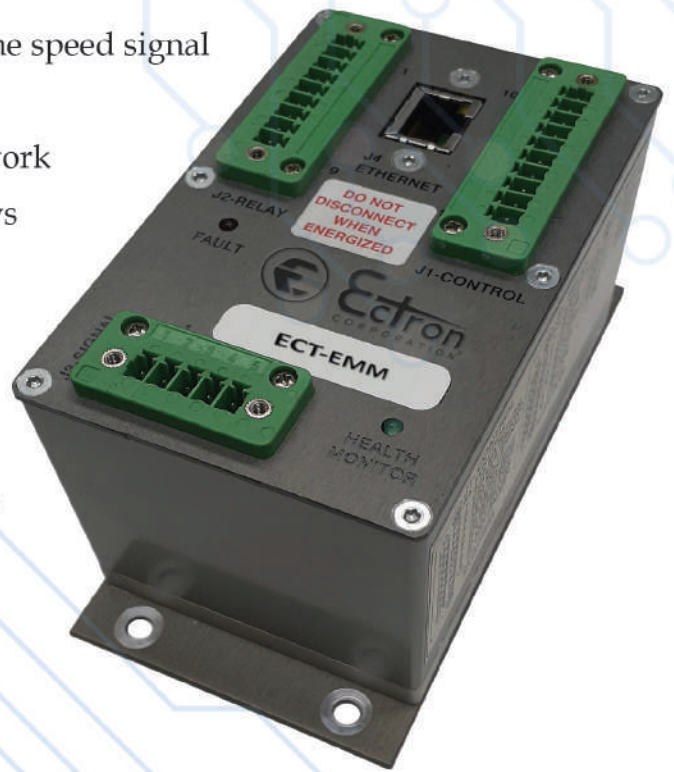


Embedded Machine Monitor (ECT-EMM)

The Ectron ECT-EMM is an embedded computer that can be direct attached to machinery to provide high speed analytics and in applications like rotating machinery precision frequency monitor that provides high-speed control and protection for a variety of mechanical devices. The ECT-EMM is certified to operate in conditions of -20° C to 85° C and also provide the ability to drive solenoids or relays to turn things on and off. It also provides both HART connectivity on the 4 to 20mA lines as well as EthernetIP connectivity. A proven design with over 6,000 units operating on turbines engines worldwide.

Features:

- 6 msec response time for frequency > 2KHz
- ± 5 ppm/°C stability over operating range
- Provides an accurate 4-20 mA analog output of the speed signal
- HART protocol interface on the 4-20 mA lines
- EthernetIP or Profinet for connection to OT network
- Ability to drive external solenoids or switch relays
- -20°C to +85°C operating temperature range
- 153 Hz to 25 KHz operating frequency range
- Rugged, ATEX/IECEX options available
- Provides very high failsafe reliability
- Complies with CSA, NEC, IEC and CE standards



Certifications:

- CE and NEC
- CSA Class 1, Div 2 Groups A, B, C, and D
- ATEX Cat 3, Zone 2 hazardous area

Applications:

- Turbine/Rotating Engine Overspeed Monitor
- Control Loop Backup Fault Monitor
- Direct Attached Engine or Machine Monitor Various Attributes