



**Axiom Technologies, LLC**

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## **MX16, Sixteen Alarm and Shutdown System**

**Simple and reliable Alarm and Shutdown system for the Oil and Gas Industry.**



- Certified Intrinsically safe (Class 1 Div 1) alarm channels, the device itself is Certified for installation in Class 1 Div 2 hazardous environments.
- Low power, ideal for remote locations, works for three years on a standard Axiom Battery Module.
- Indicates and holds the actual cause of shutdown.
- Non-Bleeding Pneumatics.
- Wiring to each alarm sensor is continuously monitored for integrity.
- Advanced self diagnostics.

**Operator friendly wellhead alarm and shutdown system achieves a new level of reliability, minimizes the need for maintenance and offers the following:**

- Virtually no maintenance needed. Based on previous highly reliable design, offers extraordinary performance and reliability while maintaining operator friendliness.
- By eliminating the tubing and connection points associated with the traditional pneumatic/ hydraulic logic, the points of leakage are minimized, making the MX16 ideal for locations with limited pneumatic/hydraulic sources.
- The MX16 is enthusiastically accepted by the operators as it provides intuitive controls as well as straight forward visual indication.
- When commanded to re-start production the MX16 ignores existing alarms for 30 minutes and production may be reestablished. If the existing alarms remain for more than 30 minutes or a new alarm is detected, or an existing alarm normalizes and then returns, then, the MX16 re-initiates the shutdown.
- The "Test" function allows the operator to test the MX16 operation and verify all circuits are operating normally.
- Designed to operate from -40°C to +85°C ambient temperature. The three way solenoid valve is rated to 100 PSI (150 PSI optional) and it can drive a pneumatic actuator directly.
- RTU ready. The MX16 provides input and output interface points to either receive a remote "Stop" command or annunciate remotely if a shutdown or malfunction occurs.
- Auto diagnostic. System monitors field wiring to confirm continuity as well as battery voltage to insure supply is within specified limits. A "Heart Beat" Green LED shows the system is operating without problems.
- Electronic circuit designed and built to the same standards and care of other reliable Axiom Technologies products.



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## MX16 / Typical Application

