

GUARDIAN®

INTEGRATED ENGINE + COMPRESSOR CONTROL

RETROFIT PROGRAM

Replace aging or failing electronic or pneumatic controls with the latest in GUARDIAN® technology.



HIGHLIGHTS

- Direct replacement of Microguard, Flexiguard or Hawk electronic panels.
- Direct replacement of pneumatic panels.
- Suitable for reciprocating or rotary type compressor applications.
- Suitable for entire cabinet replacement or panel mounting in existing cabinet with remote HMI.
- Option for replacement of shutdown and start/stop sequencing or complete replacement of all pneumatic controls.
- Choice of GUARDIAN® model, featuring:
 - SD and auto sequencing control
 - Suction, discharge, pressure control
 - Override controllers
 - Allen-Bradley PLC technology

Contact us for a demo and more information on how a GUARDIAN® retrofit can make your compressor more efficient and profitable.

FEATURES

- Allen-Bradley PLC based controllers
- 4"LCD, 7" or 10" colour touch screen HMIs
- Graphical Trending
- Selectable Class A, B, and C; ESD, shutdown, cooldown or alarm configurations
- Selectable Class B timers
- Built-in PID loops configured for multiple processes with standard features, such as:
 - On-line tuning
 - On-line setpoint adjustment
 - Auto-manual adjustment
- Maintenance mode for online bypass of switches, transmitters or thermocouples
- One touch start sequencing for easy operation

ENGINE CONTROLS

- Air-fuel control
- Emission control/monitoring
- Ignition systems
- Detonation systems
- Digital speed control

SPECIFICATIONS

Power: 24 VDC

Sensor Inputs

- 24 VDC, NO or NC
- Non-incendive

Digital Outputs

- Both dry and wet relay contacts
- Solid state outputs

Analog Inputs

- 4-20 mA or ± 10 Volts

Analog Outputs

- 4-20 mA or 0-10 VDC

TC Inputs

- Type J, K, T, E, R, S, B, N, C

Operating Temperature

- 0-55°C

Enclosure

- Complete replacement
- Backplate mounting with remote HMI available
- CSA Approved for Installation in Class 1, Div/Zone 2/ GL C,D Area

Stands and Instrumentation

- Options available for premounting of transmitters, solenoids and I/Ps
- Optional stand available