

X12I System Controls

As much as 20% to 60% of the energy used to operate compressed air systems is wasted! This is primarily due to operating more compressors than necessary, operating the wrong combination of compressors and/or maintaining elevated system pressures. Ingersoll Rand X-Series System Automation eliminates waste by managing up to twelve (12) positive displacement compressors simultaneously. This can include compressors of different capacities, different types (fixed speed, variable speed, variable capacity), and in any combination. Through advanced control functionality and universal connectivity, the X-Series System Automation products will work with your existing compressors, from Ingersoll Rand or any manufacturer, to improve operating efficiency, reduce energy cost and eliminate waste.

Features

- Single or multi-point pressure control
- Programmable sequence, schedule and pressure profile
- Energy Control Mode - auto sequence selection
- Priority sequence control
- Multiple pressure profiles
- Real time programming
- Anti-cycling control
- Standby and system pre-fill functionality
- Power outage restart
- Pressure Balancing function
- Zone Control function
- Auxiliary inputs/outputs for monitoring and control



Expandable Network Options

- Bolt-on VFD control
- System component instrumentation and control
- Remote communication gateway

Technical Information

- Controls up to 12 rotary or reciprocating compressors
- Controls IntelliSys, non-IntelliSys and non-Ingersoll Rand compressors

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- Controls from up to 3 system pressure inputs
 - Standardized interface: 1 per compressor
 - 3 analog system instrumentation inputs
 - Digital I/O with expandability
 - Manages Nirvana 7.5 - 400 hp (5.5 - 350 kW) VSD compressors
 - NEMA 12 / IP54 Enclosure
 - 50/60 Hz standard

Model Specifications



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