



CONSPEC®

INNOVATION THAT DIGGS DEEPER.

AUS1415

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The Conspec PLC based Multi-channel Controller is designed to monitor gas levels from multiple sources/devices. It is able to have up to fifteen (15) channels while having a designated alarm zone for each channel or device. The controller can be implemented as an independent local controller or be fed into any digital communication system. Control options are nearly endless thanks to the Allen Bradley Micrologix 1400's processing power.

An Option 7" Panel View Touch screen continuously shows real time values of the measured parameters as well as provides navigation through the system's screens. Audible and visual alarming can be easily achieved locally or remotely by the Micrologix's 6 available relay outputs. Security, Ethernet capabilities, and trending are just a short list of this versatile system's overall features.



APPLICATIONS

- Automotive Facilities
- Factories / Warehouses
- Broiler / Generating Rooms
- Water Treatment Plants
- Wastewater Treatment Plants
- Chemical Processing Plants
- Bus Terminals & Depots
- Pulp & Paper Mills
- Pharmaceutical Labs
- Telecommunication Stations
- Semiconductor Facilities
- Utility Plants
- Research / Development Labs

BENEFITS

- Economical Stand-Alone or Integrable Controller
- Compatibles with All Report Gas Transmitters
- Uncomplicated Installation
- Capable of "Zoning" Remote Gas Transmitters
- Completely Scalable System Suitable for Indoor & Outdoor Applications
- Full Product Service & Support
- Automatic Reset when Alarm Condition Clears
- Easy to Read LCD Display

KEY FEATURES

- Robust & Durable Design
- Factory Preprogrammed & Calibrated
- Multi-Mode Communication
- LCD Touch Screen Display
- Password Protected
- Completely Scalable
- Local or Remote Alarming Capabilities

AVAILABLE OPTIONS

- Enclosure Mounted Audible Alarming
- Ethernet Capabilities
- Multiple Relay Contact Options
- P1643-2 Remote Alarm Panel
- Analog Input Module

MECHANICAL

- **Enclosure:** NEMA 4 Steel (UL and CSA Approved)
- **Dimensions:** 24" x 16" x 8"
- **Weight:** Approximately 24 Pounds
- **Mounting:** 4 Holes
- **Conduit Entries:** Varies with Options

ENVIRONMENTAL

- **Operating Temperature:** 32°F to 104°F (0°C to 40°C)
- **Operating Humidity:** 0% to 99% RH Non-Condensing

ELECTRICAL

- **Operating Voltage:** 120VAC Power Supply
- **Cable Requirements:** Modbus Trunk Cable or 18 AWG Transmitter Cable
- **Relay Contacts:** Up to 6 Relay Controlled Outputs
- **Current Consumption:** 150mA

SYSTEM

- **Processor:** Micrologix 1400 PLC
- **Security:** Password Protected
- **Sensor Types:** Electrochemical, Catalytic Bead, Infrared, Photo-Ionization, Thermal Conductivity
- **Restart:** 100% Hands Free After Power Interruptions
- **Modes:** Two (Calibration & Normal)
- **Display:** Panel View 7" LCD Touch screen Display
- **Trend Display:** Historical Graphs for 15 Minutes to 24 Hours
- **System Outputs:** Sensor Fail, Alarm #1, Alarm #2 and Multiple Status Indicators