



F206-D

Typical Alarms

- High pressure alarm
- Effluent scrubber failure
- Low cylinder pressure/weight
- Fire alarm
- Excess (High) flow
- Low/loss of cabinet ventilation
- Remote Emergency Stop
- Gas leak detection: Warning and Shutdown threshold levels

F206 Standard System Controller

The Spectra Gases' Series 206-D Controller is a versatile Automatic Shutdown Controller for any Gas Handling System. The standard unit offers Warning, and Warning with Shutdown, indication for all of its inputs and a touch screen interface for visual indication of alarms. Almost every aspect of the system can be tailored to the customer's specifications including inputs, outputs, visual display, annunciation, and shutdown control.

Control Panel:

The Man Machine Interface (MMI) consists of a graphical touch screen that provides a green background for normal (no fault present) and first out annunciation for each fault along with an orange background for warning faults and a red background for shutdown.

Inputs/Outputs

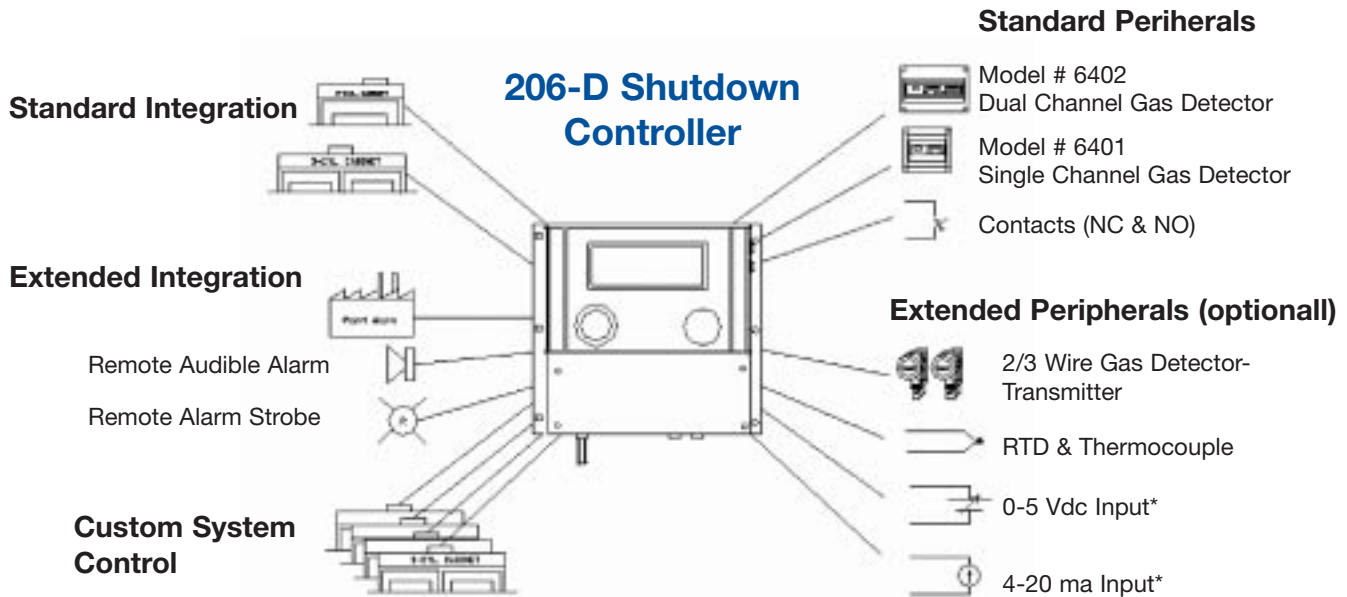
Each of the discrete inputs can be programmed to function in any logical configuration the customer desires. An input can be field programmed to activate upon closure or opening. The input events can initiate a shutdown or warning sequence. The Gas inputs are preset at the factory.

Shutdown Mechanics

The display will turn Red in color and the horn will sound until acknowledged and the pneumatic pressure is cut-off from the ESO valve shutting down the system from delivering any process gas, and all associated outputs will be initiated.

System Controllers (continued)

F206 Standard System Controller



System Specifications

Housing Dimensions: 13" x 9" x 7"

Control Panel: 6" x 3" Tricolor touch-screen allows for easy viewing of status from a distance (GREEN-Normal, Amber-Warning, RED-Shutdown)

Controls:

Easy touch programming of input (fault) description, form factor, function and delay.

An internal solenoid is programmed to close pneumatic valve at a shutdown fault.

A warning fault shall annunciate only.

Mushroom style illuminated switch for emergency and immediate shutdown of gas flow.

Inputs: Seven (7) RELAY or OPEN COLLECTOR expandable (*) to fifteen (15)

Optional: Temperature, current and voltage transducers

Input specifications: Normally Open (NO) or Closed (NC)
Optional: Specify threshold level of transducer to trigger alarms

Outputs: One (1) isolated Relay for signaling a Building Alarm System (BAS) or other remote monitoring or signaling device expandable (*) to twelve (12)

Horn: Internal 97 dBA extra loud with alarm silence switch

Alarms: Red - SHUTDOWN, Amber-Warning with Black text annunciation

Operating Characteristics/Requirements:

1. Dry Air or Nitrogen: 80-100 psig (6.5-7.9 bar)
2. Electrical: 85-264 VAC, 70 watts
3. Temperature Range: 32°F to 114°F (0°C to 40°C)

(*) NOTE: may require a hardware/software revision