585 Series Emergency Shut-Off Controller

The CONCOA 585 Series Emergency Shut-off Controller is designed to automatically shut down up to eight independent flammable, toxic, corrosive, or high purity gas sources for safety or process control. The Controller includes an integral emergency stop button, audible and visual alarm, six programmable input relays, and up to eight programmable pneumatic output ports for control of high purity CONCOA 586 Series Emergency Shut-off Valves. Eight additional output relays are configurable as normally open or normally closed for integration with a building or master alarm system. The status of all eight inputs and outputs are displayed with high visibility, multicolor LEDs so that the triggering event is identified and the status of all output ports is shown. Ideal for flammable or toxic gas shutdown control in the event of fire or leak detection, the controller can be configured to operate the eight pneumatic outputs in unison or independently. The system comes with an onboard web server for monitoring and program status with email and real time display.



585 1008-01-000 shown

Typical Applications

- Chemical Processing
- Pharmaceutical Manufacturing
- Petrochemical Systems
- Metalworking Production
- Laboratory Gases
- Medical Cylclotrons
- High Purity Gas Delivery Systems
- Calibration Gases

Features

Eight Configurable, Pneumatic Valve Outputs permit independent control of multiple gas streams

Highly Programmable Controller supports customization for application-specific installations

Six Configurable Input Relays accommodate multiple hazard monitors independently

Onboard Web and Mail Server enables remote monitoring and notification

10,000 Entry Event Log maintains auditable trail of uptime and failure

Integral Emergency Stop Button allows manual activation at the controller

Onboard Web and Mailer Server enables remote monitoring and notification

Multicolor LEDs display status of all eight inputs and outputs

Materials and Specifications

Sound: 93 dB audible alarm

Power Input: 90-264 VAC external power supply (international adapters included)

Pneumatic Outputs (8): 1/8" FNPT bulkheads (hose barb and plug supplied)

Pneumatic Inputs (1): 1/8" FNPT

Dry Contact Relay Outputs (9): 1 master, 8 NO/NC (field adjustable)

Dry Contact Relay Inputs (8): 6 NO/NC (field adjustable), 1 NC (emergency stop button), 1 NC (pneumatic air pressure switch)

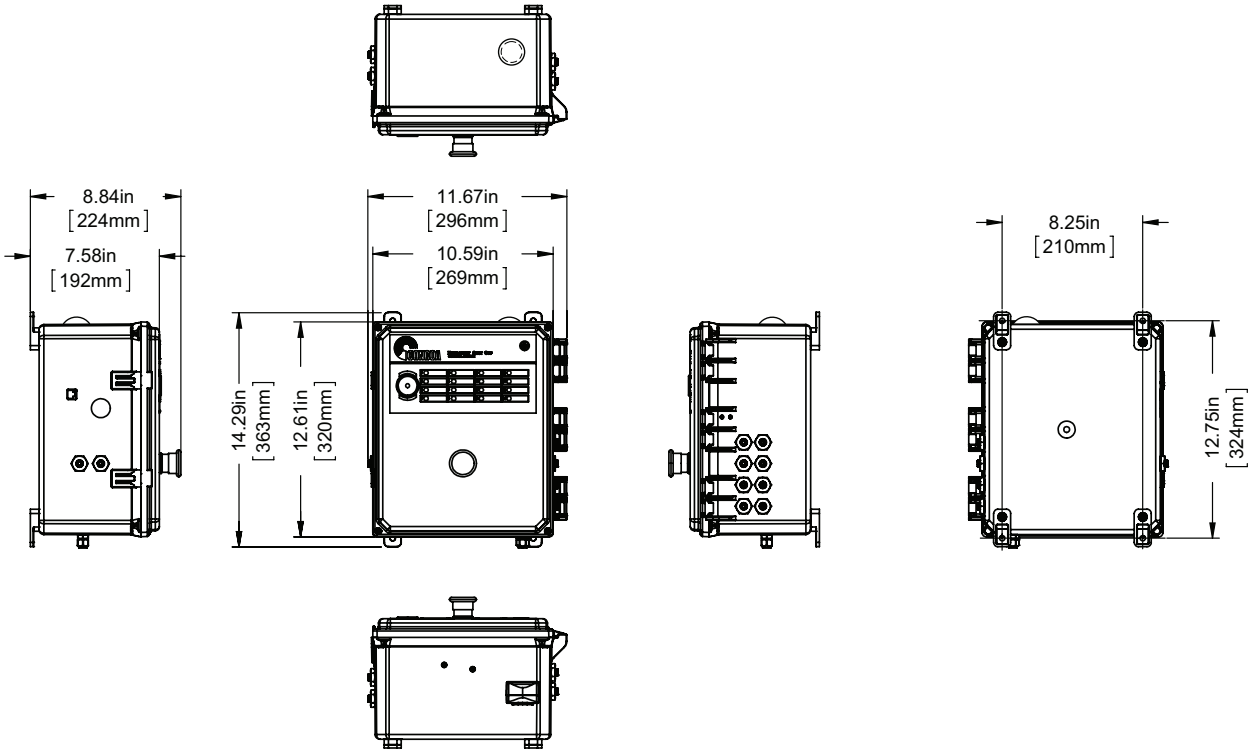
Relay Contact Rating 0.5A @24 VDC max

Hose Barbs (12): 1/8 in MNPT x 1/8 in ID hose

Enclosure: UV rated UL94 V-0, UL746C 5VA polycarbonate resin

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Installation Dimensions



Ordering Information

Part No.	Description
5851008-01-000	Emergency Shut-off Controller featuring Onboard Web and Mail Server
5851008-01-002	Emergency Shut-off Controller featuring Custom Factory Configuration for a Specific Application
5851999-01-000	Input Junction Box for Emergency Shut-Off Controller

Related Options

Part No.	Description
580 4001	High Pressure, Low Flow Excess Flow Switch
580 4002	Low Pressure, High Flow Excess Flow Switch
585 2001	Emergency Stop Button for use with 585 Series Emergency Shut-off Controller
586 1001	Emergency Shut-off Controller Single Valve Kit
586 1002	Emergency Shut-off Controller Dual Valve Kit
586 2001	Emergency Shut-off Controller High Flow Single Valve Kit
586 2002	Emergency Shut-off Controller High Flow Dual Valve Kit
586 3001	Emergency Shut-off Controller Ultra-High Flow Single Valve Kit
586 3002	Emergency Shut-off Controller Ultra-High Flow Dual Valve Kit
586 9001-25	Single Tube Soft Polymer Tubing 1/8" ID for Connecting Emergency Shut-off Controller to Valve Kits, 25 ft.
586 9001-100	Single Tube Soft Polymer Tubing 1/8" ID for Connecting Emergency Shut-off Controller to Valve Kits, 100 ft.
586 9008-25	Eight-ribbon Soft Polymer Tubing 1/8" ID for Connecting Emergency Shut-off Controller to Valve Kits, 25 ft.
586 9008-100	Eight-ribbon Soft Polymer Tubing 1/8" ID for Connecting Emergency Shut-off Controller to Valve Kits, 100 ft.