Respiro®

CO/PRO®

CARBON MONOXIDE SHUTOFF SWITCH

DUAL CO SENSORS.
SMARTER PROTECTION.
GREATER PEACE OF MIND.





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CO/PRO® ACTS BEFORE CARBON MONOIXDE DETECTORS ALERT

When furnaces, tank-based water heaters, or their exhaust systems fail causing toxic carbon monoxide (CO) to be released into the air, it quickly spreads throughout the home. CO/PRO is an automatic carbon monoxide shutoff switch that attaches to fuel-burning appliances and turns them off when rising levels of CO are detected - stopping the production of CO right at the source.

WHY DETECTION ALONE ISN'T ENOUGH

Conventional CO detectors notify building occupants after CO has spread through the air from the source to a detector. CO levels can be significantly greater where fuel-burning appliances — furnaces and water heaters — are located. Detectors are designed to alarm when levels reach 70 ppm, but can have a delay of 1-4 hours. People that have hearing impairments may not be able to hear those alarms at all. To ensure the safety of occupants, firefighters will clear a home or building at CO levels of 35 ppm.

CO/PRO ACTS AT THE SOURCE

CO/PRO features two independent sensors that monitor both the HVAC supply duct and the ambient air near the unit's exhaust systems. When either detects carbon monoxide of 25 ppm, it cuts power to the appliance — stopping CO at it's source. Once levels diminsh to 15 ppm, the device will restore power to the appliance.

CO/PRO works alongside the CO alarms/detectors required by code, not in place of them. It requires professional installation on new and existing equipment and is available through Resprio's distibution network.

KEY PRODUCT FEATURES:

- Proactive CO monitoring in supply ducts and the ambient air near exhaust systems.
- Turns appliances off at 25 ppm or greater
- Restores power to appliances at 15 ppm or less
- Requires professional installation by authorized distributors, manufacturers, and contractors
- Engineered with two UL-2075 compliant sensors
- Offers intelligent appliance power control
- Automatic daily sensor test ensures reliable operation
- Duct mount or wall mount
- Up to 10-year sensor life
- Audible and visual alarm indicators
- 24 VAC powered unit
- 1 year warranty (2 years when registered)
- Made in the USA using imported parts

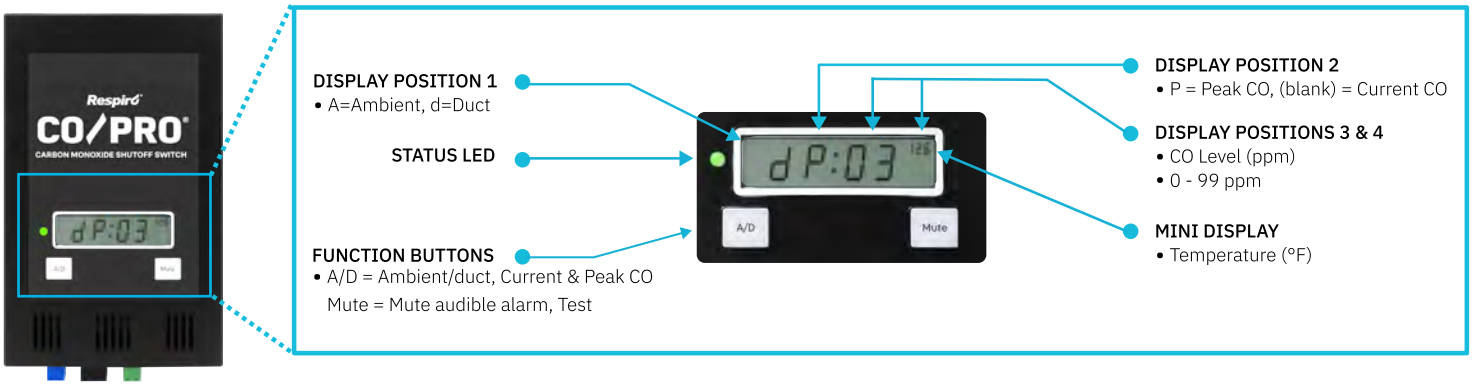
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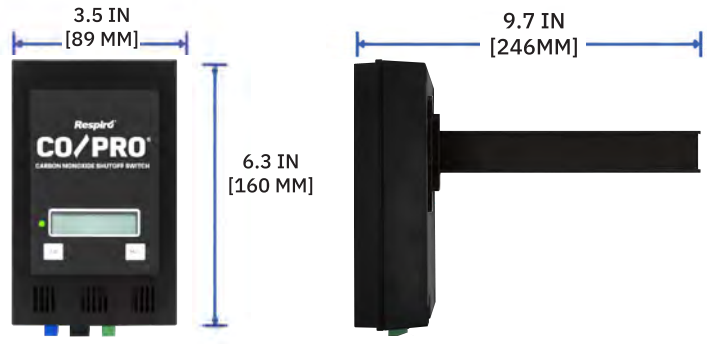
INTERFACE



SPECIFICATIONS

DIMENSIONS: 3.5 in (89mm) W x 6.3 in (160mm) H x 9.7 in (246mm) D
MOUNTING LOCATION: Supply duct, 6 ft from the duct bend/source
POWER: 20—30 VAC, < 5 Watts
RELAYS: Two Dry SPDT-NC (FormB) 5A 24 VAC
CO ALARM ACTIVATION LEVEL: 25 ppm or greater
CO RELAY RESET LEVEL: 15 ppm or less
CO SENSOR/DISPLAY RANGE: 0 - 99 ppm
AUDIBLE ALARM: ~71dB @ 3ft
RESPONSE TIME: 90 seconds from 10% to 90% of range
ACCURACY: +/- 5ppm @ 0-25 ppm, +/- 10 ppm @ 26-100 ppm
OPERATIONAL TEMPERATURE: 60°F to 158°F (15°C to 70°C)
STORAGE TEMPERATURE: -4°F TO 158°F (-20°C to 70°C)
RELATIVE HUMIDITY: (5-99%, non-condensing)
CASE: Polycarbonate UL94 V0

** Specifications are subject to change. Contact Respiro for the latest specifications.*



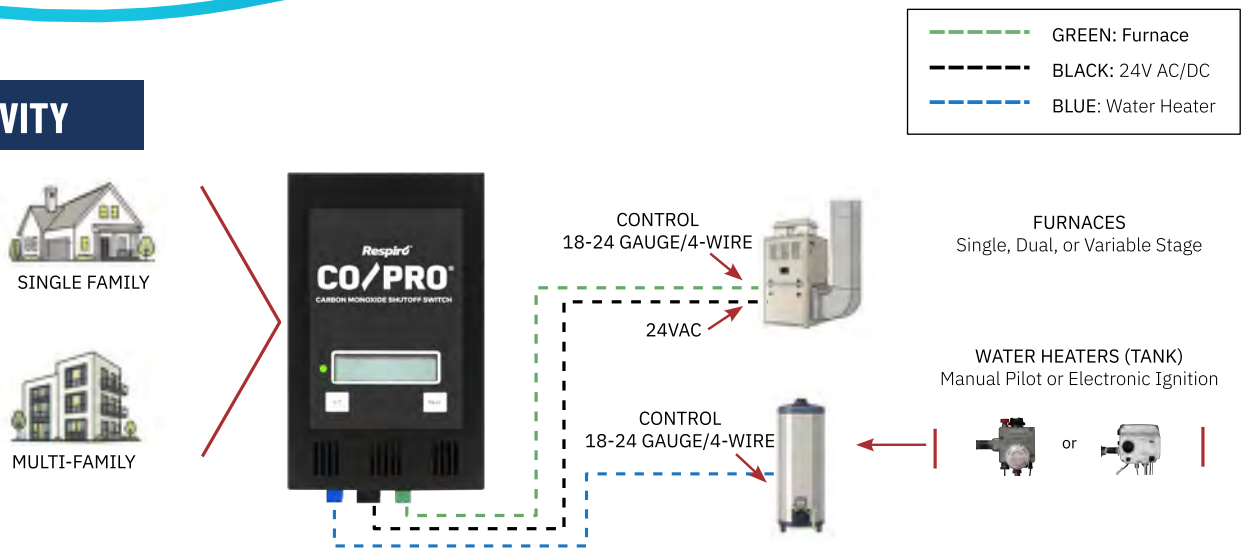
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CONNECTIVITY



A WINNING COMBINATION

The CO/PRO Carbon Monoxide Shutoff Switch provides a unique opportunity to educate and add value to HVAC service calls.

- **Include With New HVAC Installations** - Built in CO monitoring as a standard feature can help differentiate products and services from the competition.
- **A Valuable Add-on to Existing Installations** - Provide peace of mind to homeowners and property management companies with older furnaces who want active CO monitoring.
- **Positions Technicians as Indoor Air Quality Experts** - Creates expanded service offerings to build customer loyalty and trust.
- **Stay Ahead of Coming Regulations** - Standards have been written and Federal and State legislation is on the horizon. CO/PRO enables a proactive solution today.

When it comes to carbon monoxide, **Don't just Detect... PROtect!®**

Respiro® manufacturers automatic gas-triggered shutoff technology for HVAC systems and water heaters. Its CO/PRO® carbon monoxide shutoff switch monitors fuel-burning appliances and shuts them off when low levels of CO are detected — stopping carbon monoxide production immediately at the source rather than just triggering an alert. Respiro products are available through professional distributors and contractors and require professional installation.

VISIT RESPIRO-USA.COM TO LEARN MORE.

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TO ORDER, CONTACT RESPIRO FOR A LIST OF DISTRIBUTORS.