Amplify
Commercial CO Protection
SL-701 Duct Mounted CO Detectors

Duct Mounted CO Detector continuously monitors level of Carbon Monoxide at the common offender of CO emissions: Central AHU

THE NEW **SL-701 DETECTOR** SAMPLES THE AIR STREAM AT THE AHU SUPPLY AND/OR RETURN. IN THE EVENT DANGEROUS LEVELS OF CO ARE DETECTED, THE SL-701 WILL SHUT DOWN THE AHU TO PREVENT THE SPREAD OF HARMFUL GAS TO OCCUPIED SPACE.

THE **MSR-50/CO** REMOTE INDICATOR AUDIBLY AND VISUALLY NOTIFIES FACILITY SAFETY MANAGEMENT OF THE SITUATION.

Gain Trust and Confidence as a Complete Solutions Provider

The SL-701 Duct Carbon Monoxide Detector provides early detection of carbon monoxide in air moving through the HVAC duct supply, return, or both in commercial, industrial, or residential applications.

NFPA 720-2009 standardizes CO detection for all buildings, to include schools, hotels, nursing homes and other commercial structures.

Increasingly, states are passing specific carbon monoxide detector legislation. Knowing your state(s) laws are a great way to inform your customers of requirements and increase revenue through SL-701 installations.

Healthier Environment with a Proactive Life Safety Slant

Designed to prevent the circulation or spread of invisible, toxic CO by air handlers, fans and blowers, complete systems may be shut down in an alarm state.

When an SL-701 is installed, facility management is alerted to CO exposure the instant dangerous levels are detected within the ductwork, prior to full circulation into the conditioned space.

Without an SL-701, as CO circulates beyond the ductwork into open areas, it is diluted with fresher air. It takes a longer span of time for CO concentrations to accumulate and point-style CO detectors, while effective, may be later to react.

Easy To Order, Install, Test and Perform Regular Maintenance

The SL-701-KIT is available, offering the convenience of a complete package containing:

- SL-701 Duct CO Detector
- FAST Tube sampling tubes
- MSR-50/CO Remote Accessory featuring Temp-4 audible and LED-based strobe visual alarm indications
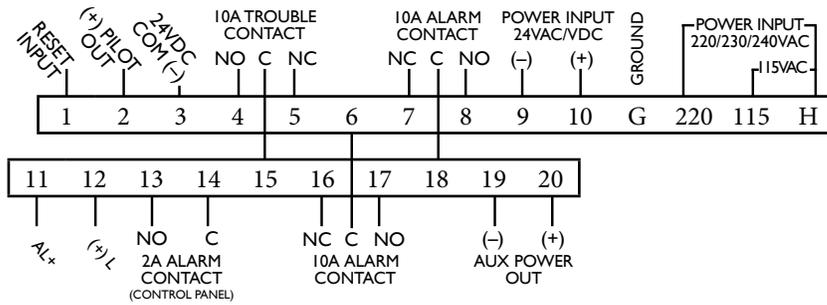- Mounting templates, hardware and installation instructions

Also available:
- TG-701 Aerosol CO for testing
- AV-Checker - Measures air velocity
- Duct-Checker - Measures pressure differential to confirm proper duct detector operation
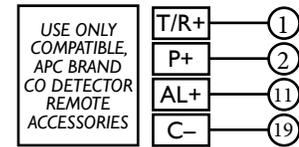
End of Life Qualification: The CO sensor has an optimal end-of-life of 6 years from the date of manufacture. However, the replaceable CO sensor is an electrochemical component with an end-of-life that is dynamically calculated based on environment conditions, as installed. High temperatures and low relative humidity can dry out the wet cell sensor, and will directly shorten the CO sensor's effective life span. In addition, excessive facility cleaning with concentrated aerosol alcohol, ammonia, bleach and other disinfectant vapors can poison the chemistry of the CO sensor. See installation instructions for optimal environmental conditions.

SaeVu
BY SPACE AGE ELECTRONICS

WIRING

MSR-50/CO WIRING

USE ONLY COMPATIBLE, APC BRAND CO DETECTOR REMOTE ACCESSORIES

T/R+	1
P+	2
AL+	11
C–	19

PRODUCT SPECIFICATIONS

MODEL NUMBER:	**SSU-SL-701-KIT**	230VAC, 115VAC, 24VAC, 24VDC
SENSOR MODEL NUMBER:	**SSU-7-CO**	Carbon monoxide replacement sensor
SAMPLING TUBES:	**SSU-FASTTUBE**	Sectional sampling tube
	SSU-STN-1.0	Metal sampling tube for 12" or less duct width
	SSU-STN-2.5	Metal sampling tube for 2.5" to 6" duct width
	SSU-STN-5.0	Metal sampling tube for 2.5' to 5' duct width
	SSU-STN-10.0	Metal sampling tube for 5' to 10' duct width
ACCESSORIES:	**SSU-MSR-50CO**	Control with strobe and sounder, clear lens and white double gang plate
	SSU-TG-701	CO aerosol test gas

POWER REQUIREMENTS:	Input Power	Standby Current	Alarm Current
	24VAC	43mA	246mA
	24VDC	28mA	187mA
	115VAC	23mA	50mA
	230VAC	11mA	20mA

RELAY CONTACT RATING:	
Alarm Contacts:	Resistive load: 2 sets form "C" rated at 10 Amps @ 115VAC
	Resistive load: 1 set form "A" rated at 2 Amps
Trouble Contacts:	Resistive load: 1 set form "C" rated at 10 Amps @ 115VAC
AIR VELOCITY:	100 to 4,000 ft./min.
AMBIENT TEMPERATURE:	32ºF to 140ºF (0ºC to 60ºC)
HUMIDITY:	10% to 85% RH Non-Condensing / Non-Freezing
WIRING:	Solid or stranded: #12 to #22 AWG terminals
MATERIAL:	Grey plastic backbox, clear plastic cover (Makrolon 94V-0)
	Do not expose to corrosive atmospheres
DIMENSIONS:	13 ½" L x 4 ½" W x 2 ¼" D
MAX. NET WT.:	2 ½ lbs.
HARDWARE:	7" exhaust tube, FAST Tube starter sampling tube, sampling tube end cap, mounting template, and mounting hardware included

The SL-701 is a CO system detector, it is not a smoke detector or a CO alarm. It detects Carbon Monoxide as caused by fossil fuel fired appliances and/or as introduced from the outside in fresh air intakes in the HVAC system.

PRODUCT FEATURES

❖ Hybrid-Style Sensor monitors at the National Standards set by OSHA (IAQ) and UL 2075/2034 (Life Safety)
❖ "Snap-in" Sensor is easily replaced at end-of-life
❖ Solid green LED on sensor head indicates normal operation
❖ Detector Test Mode allows for aerosol CO testing without cover removal using Test Port Valve
❖ Historical, retrievable reporting data stored at the unit
❖ Unit performs "hidden" self-test every 24 hours
❖ Patented front or rear loading and removing sampling/exhaust tubes
❖ Interconnect up to 30 units for common functions
❖ Advanced sensor design yields internal dust filtering
❖ No additional screens or filters to clean
❖ Compatible with Building Automation and Combination CO/Fire alarm systems
❖ Complete wiring details permanently attached to unit