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SPECIFICATION FOR CARBON MONOXIDE DETECTION AND EXHAUST FAN CONTROLLER

A specific Carbon Monoxide (CO) Detection and Exhaust Fan Control System shall be provided. The purpose of the system is to control ventilation fans based upon the concentration of CO.

Sensing element shall be of solid state type. Estimated life of the sensing element shall be 7-10 years. Element shall be of the metal oxide semiconductor type to measure the concentration of CO as it builds up on the sensing element. Unit shall be supervised and have a test cycle of 2.5 minutes. Unit shall have internal continuous supervision and upon detecting a malfunction, the output shall go to the maximum level.

The system shall incorporate CO to voltage transducer(s) and shall mount in standard electrical boxes (4S) and operate on low voltage. The transducer shall provide an output of 1-2.5V over 0-250PPM (SS102HC-1) back to the control panel.

All power for the transducers shall be provided, via unshielded four conductor cable, from the control panel (SS103-3A or SS103-10A). The control panel shall provide three levels of fan or alarm control relays. These relays (N.O.) shall be for pilot duty only and capable of switching 10 Amp loads up to 240 VAC.

System shall be manufactured by Manufactured by Macurco, 6555 S. Kenton Street, # 304, Centennial, Colorado 80111. Ph: (303) 781-4062