Acme CO2-2000 Indoor Air Quality Sensor/Transmitter

This state-of-the-art instrument measures Carbon Dioxide (CO2) concentrations in the parts per million ranges (PPM) and is ideal for applications ranging from conference rooms to home gyms. The CO2-2000 is easy to install and support. Measurement output is via a 4-20 mA current loop or a 0-10V interface. Low power consumption makes the CO2-2000 perfect for battery-operated or other power sensitive applications. A clear, bright LCD display option is readable from any angle for installations where local annunciation of the CO2 concentration is desired.

Specification

1. Provide an indoor air quality control system to maintain a maximum CO_2 level in ambient air as specified herein. Provide space type carbon dioxide sensor/transmitters as indicated on the plans.

2. The carbon dioxide sensor/transmitters shall have a non-dispersive infrared optical sensor cell for long life, and accurate CO_2 sensing.

3. The CO_2 sensor/transmitter shall have a linear analog output signal calibrated over a range of 0 to 2000 PPM.

4. The CO_2 sensor/transmitter shall be Acme Engineering Model CO2-2000.

5. The CO_2 sensor/transmitter(s) signal(s) shall be used as inputs to the ventilation control system, which shall be adjustable to operate outdoor air ventilation dampers such that the indoor air CO_2 level does not exceed 1000 PPM.

6. Provide a relay dry contact at 1000 PPM for fan or damper activation (optional).

7. The CO2-2000 shall communicate with an Acme Model CEL Central Control Panel via an RS-485 digital communications interface (optional).