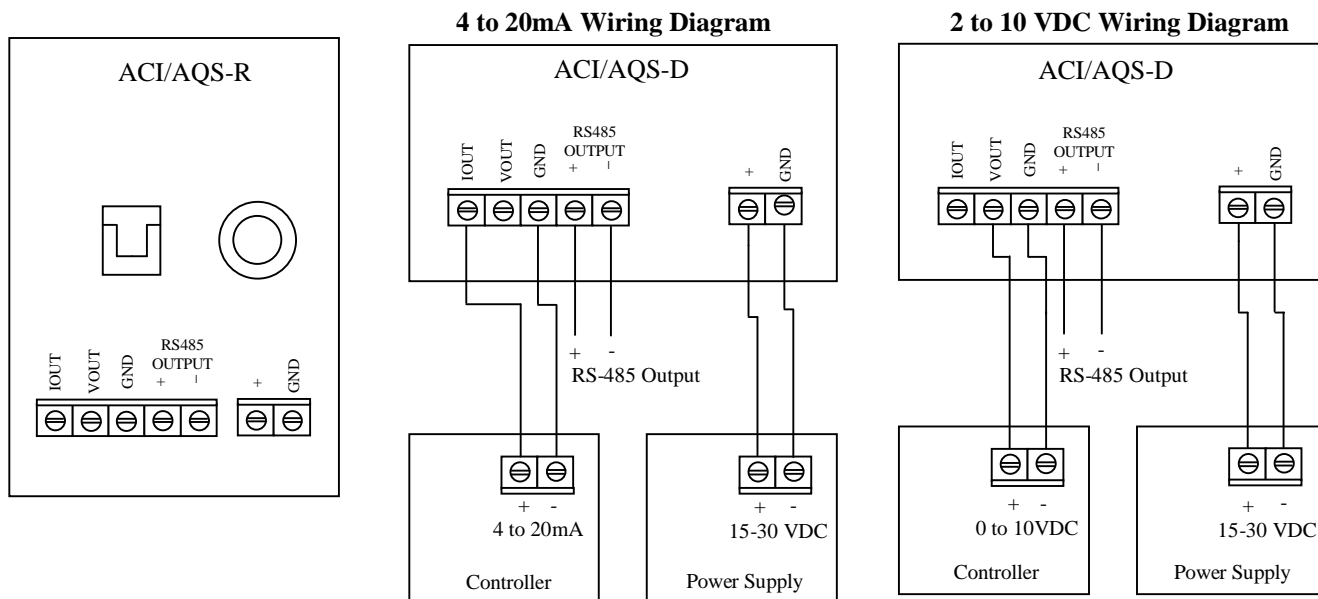


n WIRING



Note: All ACI/AQS transmitters are not loop-powered devices.

READ THESE INSTRUCTIONS BEFORE YOU BEGIN INSTALLATION

n MOUNTING

The room sensor should be mounted at a height of 5 feet from the floor of the area to be controlled away from doors, opening windows, supply grilles and other known disturbances.

The duct sensor should be mounted in the return air duct of the area or areas to be controlled. Although the sensor incorporates a filter, locations such as kitchen hoods, where oil and grease will foul the filter, should be avoided.

n OUTPUTS

The ACI/AQS transmitter produces both an analog current and voltage signal at the same time. They are independent but their scales are related. The ACI/AQS transmitter output is factory set to 4 to 20mA and 2 to 10 VDC when shipped from the factory. **Note: In order to change the output of the ACI/AQS, you must have an ACI/AQS-HC hand held calibrator, as everything is set-up through software.** If you select a 0 to 10VDC output you will also get a corresponding 0 to 20mA current output. An RS-485 output option is available upon request.

n SENSITIVITY & CALIBRATION

The ACI/AQS transmitter is factory calibrated for use in office and school buildings. If other environments such as industrial or manufacturing plants, warehouses, and automobile service garages are being sensed the unit should have the sensitivity adjusted after installation. The unit can be reconfigured or recalibrated in the field using the ACI/AQS-HC, since there are no adjustment potentiometers on the ACI/AQS.

2305 Pleasant View Rd. | Middleton Industrial Park | Middleton, WI 53562
PH. (608) 831-2585 | FAX (608) 831-7407
www.workaci.com

n PROGRAMMING

All of the units come factory programmed with 4 to 20mA and 2 to 10 VDC outputs. The analog output changes proportionally to the actual pollution level from 0 to 100%. If a 4 to 20mA output has been chosen 4mA (0%), represents the best possible air and 20mA (100%), represents the worse possible air. Medical Air is used to calibrate the 4mA setting. Readings this good will not be achieved in normal operating conditions. Readings between 4mA to 8mA indicates excellent air quality, readings between 8 to 12mA indicate good air quality, readings between 12 to 16mA indicate fair air quality and readings between 16 to 20mA indicates poor air quality. For programming information regarding the use of the hand-held calibrator reference the Installation and Operation Instructions ACI/AQS-HC document on ACI's web site. Please contact ACI for any further information.

Current Output	Voltage Output	RS-485 Output
4 to 20mA (Standard)	2 to 10 VDC (Standard)	Specify when ordering
0 to 20mA (Specify when ordering)	0 to 10 VDC (Specify when ordering)	Specify when ordering

n ACCESSORIES

Hand Held Calibrator - A black instrument with a keypad and alphanumeric display. If you wish to log the data, modify the program, or to recalibrate the ACI/AQS transmitter, then you will need one of these. Only one of the ACI/AQS-HC's is needed per site or service representative.