

ETHYLENE SENSOR/TRANSMITTER

Features

- High-accuracy electrochemical cell sensor
- Two-wire, loop-powered 4-20mA analog output
- IP66 enclosure
- Micro-chip control

Applications

Signalling changes during seed germination, growth, flower and fruit development, senescence of plant organs, programmed cell death, etc.

C2H2-ST-420 September 2011



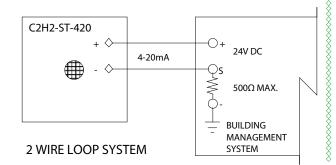
The ACME **C2H2-ST-420** Ethylene sensor/ transmitter uses a high performance 3-electrode electrochemical sensor to accurately measure Ethylene concentrations.

The transmitter is designed to output a 4-20mA analog signal that spans over a Ethylene detection range of 0-100PPM (other ranges also available).

A standard 2-wire loop-powered operation allows the output signal to ride on the same pair of wires that supply DC power to the sensor/transmitter.

A proprietary design algorithm makes the sensor circuitry immune to local RF interference.

Typical Wiring Diagram for 2-wire 4-20mA



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REPRESENTED BY:

The information provided by this bulletin is a general description of ACME UNITS. All specifications are subject to change without notice. Installation, maintenance and other instructions provided with the equipment shall be closely followed by installers, owners and users.

Standard unit specifications

SENSOR TECHNOLOGY:	3-electrode electrochemical cell
SENSING METHOD:	Diffusion
POWER SUPPLY:	18-24 VDC
OUTPUT:	4-20mA loop-powered
DETECTION RANGES:	0-100PPM Standard
	(Other ranges are available)
OPERATING TEMP.:	-20°C to +50°C
HUMIDITY RANGE:	15-90% RH
REPEATABILITY:	±2% of signal
RESPONSE TIME (T90%):	< 40 seconds
EXPECTED LIFETIME:	>2 years
ENCLOSURE:	NEMA 3
	Cast Aluminum Surface mounting
DIMENSIONS:	175mm x 131mm x 56mm