

Smart Sense H2 ACS

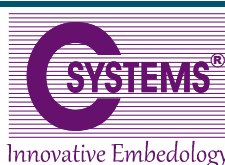
C Systems SMART SENSE H2-ACS series of hydrogen gas detection & alarm system is a 16 bit microprocessor based sigma delta technology with integrated Hydrogen Gas sensing Element. The SMART SENSE xx-ACS series has sensors capable of detecting Iso Butane, Propane (LPG) and Methane.

The Smart Sense controller dynamically reads the presence of Hydrogen Gas in the installed location, process the gas concentration and converts the same to % LEL (Low Explosive limit). The panel has in built timer to program the exhaust fan control. When the programmed time is elapsed, a relay will be triggered to switch on the exhaust fan for a pre programmed time. The display unit is housed in IP66 UL listed plastic enclosure with clear face.

Technical Specification:

Supply Voltage	:	24V DC
Current	:	100 mA @24V DC
Display	:	3 Digit, 1 inch, 7 segment Red display
Sensor /Transmitter	:	Catalytic Bead
Conversion Type	:	Sigma Delta
Resolution	:	18 BIT ADC
Filter	:	common mode filter
Sample & Hold	:	yes
Coverage	:	30-foot centers, 900 square feet per detector The coverage depends on air movement in the room or facility. Extra detectors may be needed near any areas where people work or the air is stagnant.
Parameter	:	0-100% LEL (Low Explosive Limit)
Digital Output	:	Volt free output for Exhaust fan & hardware integration
Timer	:	Programmable time for Exhaust fan RUN duration & Cycle
Analog Output	:	0-10V
protocol	:	Modbus RTU
Dimension	:	150mm x 150mm x 90mm
weight	:	750g
Mounting	:	Ceiling Mount (L - Clamp provided along with the Unit)
Certifications	:	CE (EN IEC 61010-1:2010 + A1:2019, EN ISO 12100:2010)

SMART SENSE



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