Hydrogen Gas and Smoke Detector with optional silent Intrusion Alarm

features

Operates on AC (85-265 VAC) or, optionally, onDC (17 to 60VDC).

Automatic operation for activation of an exhaust fan and remote reporting or alarm conditions.

Reliable, highly sensative and stable solid state hydrogen sensor combined with a sensitive photoelectric smoke detector module and an internal thermostat.

Local 80db alarm for H2 and smoke.

Dry contacts for reporting alarms. Connection by internal punch-down block or   RJ-45

MADE IN THE UNITED STATES OF AMERICA

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The Mark 5 is primarily designed for unattended battery installations, or remote shelters, containing-lead acid batteries and charging systems. These batteries emit hydrogen gas when charging. The lower explosive limit for hydrogen in the atmosphere is 4%. The Mark 5 is designed to turn on an exhaust fan if the gas level reaches 1%, and generate an alarm if the concentration reaches 2%. This alarm consists of a local 80db horn, a flashing red LED, and a dry contact switch closure for reporting to a remote alarm system.

The photoelectric smoke sensor is designed to detect minute combustion products from smoldering wire insulation, battery cases, and other material normally found in these installations. When smoke is detected, a distinctive alarm is emitted from the 80db horn, and a separate dry contact switch reports to the remote alarm system. At this time, the exhaust fan is inhibited in order to deny the fire increased oxygen from outside air. During Normal operation and in the absence of an alarm condition, an internal thermostat will turn on the exhaust fan at a preset temperature to reduce heat build-up in the room. Loss of power to the unit will also generate a dry contact alarm to the remote system. The optional infrared intrusion alarm will trigger a silent dry contact switch closure to the remote system.

Explosion Prevention Systems (NFPA 69, Chap 8) and NFPA 2 Hydrogen Technology Code compliant.
They are "Nonincendive" and meet Class 1 Division 1 and 2 (NEC) Haardous Atmosphere codes

technical specifications

DIMENSIONS (LXWXH)
7" (L) x 4-3/4" (W) x 2-1/4" (H)

MOUNTING
Four 3/16-inch screws

WARRANTY
Five (5) year warranty

Models & Part Numbers

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099161      AC, Mark 5, H2, Smoke and Intruder Detector w/ Temp Control
099162      DC, Mark 5, H2, Smoke and Intruder Detector w/ Temp Control
099164      AC,  Mark 5, H2, Smoke  w/ Temp Control
099165      DC,  Mark 5, H2, Smoke  w/ Temp Control
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Accesories

•099166 HGD Mark 5 Breakout Box (remote)

•099117 25 Foot Interconnect Cable

•099128 Interconnect Cable, Custom Length up to 1000'

 •099127 Junction Box HGD

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• Tradition of technical expertise
• Over 30 years of delivering products to satisfy your needs

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