

Surveyor 4B

Controller



Main features

- DIN rail mounting
- Low cost and easy to install
- Continuous auto test
- Built-in relays

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For pricing or any further information, please contact Omni Instruments Ltd.

Together we'll make your operations safe



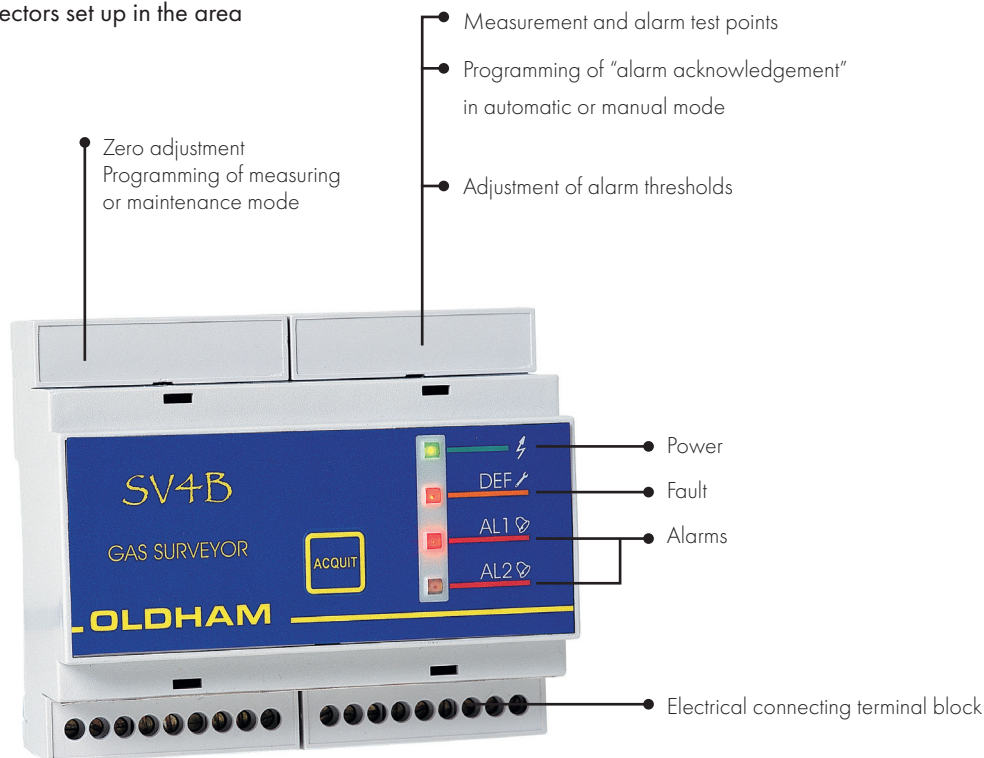
Example of application: boiler plant

Designed as a monitoring apparatus especially to ensure the safety of boiler plants, battery charging rooms or small units where your operations are at risk due to possible escape flammable gas leaks. Developed for the purpose of quick, safe detection, the SURVEYOR 4B control module combines highly reliable monitoring, simple implementation and low costs.

Just install for maximum safety

The SURVEYOR 4B is designed to allow easy integration simply by clicking it into place on an existing equipment cabinet near your control devices.

The SURVEYOR 4B is linked to detectors set up in the area to be monitored.



Built-in buzzer

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Simple ergonomics, greater safety

Easy to install

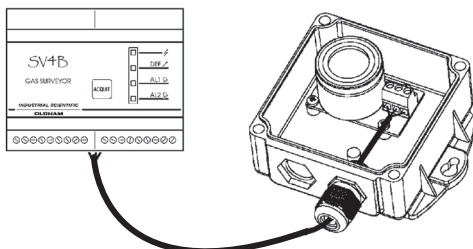


Diagram of installation with 1 detector

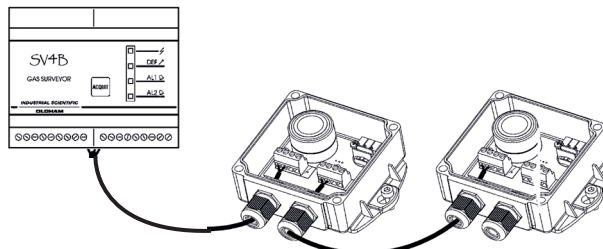


Diagram of installation with 2 detectors in a single volume (OLC 10 Twin only)

Maximum safety

- The measuring line and the detector are monitored in continuous mode by a special circuit which gives warning of any failure.
- The siren, revolving light or modem, etc., are actuated by dry contacts.
- The relay can only be reset by acknowledgement in manual mode after the gas alarm has been cleared (automatic acknowledgement on option).

Compliance with standards

- CE and Low-Voltage Directive

Accessories

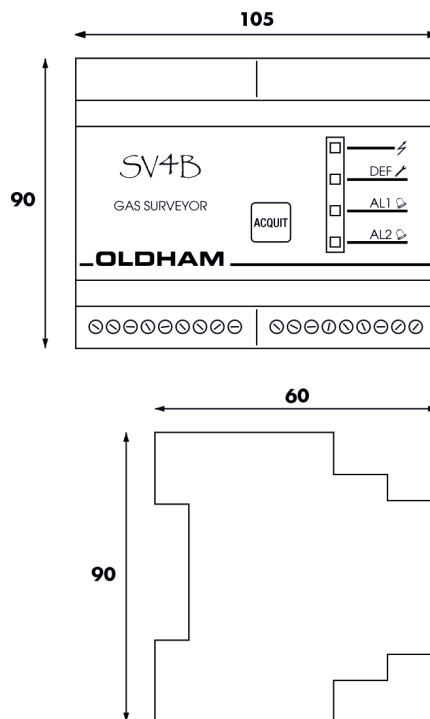


Battery back-up, Solenoid valves, Manual triggers, Audible and visual alarms, Standard gas

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Technical characteristics	
Type :	• SURVEYOR 4B
Fonction :	• Flammable gas monitor
Capacity :	• 1 channel • 1 or 2 detectors
Measurement :	• Continuous
Visual alarms :	• Failure: yellow • Gas, 1st threshold: red • Gas, 2nd threshold: red
Audio alarm :	• Integrated
Acknowledgement :	• Manual or automatic
Power supply :	• AC : 230 V (207 to 242 V) • DC : 12 V (11.5 to 14 V)
Consumption :	• 5 VA or 4 W (detector connected)
Protection :	• By fuse
Relays :	• Relay 1 : common, gas and failure • Relay 2 : gas
Contact :	• RCT, relay 1 • RCT, relay 2 Max. resistive
breaking capacity :	• 2A/230 V AC/30 V DC
Measuring line :	• Shielded cable, 3 active conductors • Max. line length: 40 m (with 1.5 mm ²) conductor • Maximum loop resistance : 1.4 Ω
Mechanical features :	• Mounting on symmetrical DIN
Miscellaneous :	• Technology : SMC (surface-mounted components) • Main power indicator light : green LED • Housing : NORYL • Warranty : 1 year
Dimensions :	• 105 x 90 x 60 mm
Weight :	• 0,360 Kg
Compliance :	• CE and Low-Voltage Directive
Ingress protection :	• IP20
Mechanical protection :	• IK08



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