

15-30J & 15-30J-win

SAFE-AREA GAS DETECTOR

The WatchGas 15/30J / 15/30Jwin range is a versatile safe-area gas detection platform designed for reliable monitoring of flammable gases, toxic gases and oxygen across a wide range of industrial applications.

Combining multiple sensor technologies, 4–20 mA and CANbus communication, data logging, optional alarm functions, local display and selected aspirated sampling options, the range provides flexible and dependable fixed gas monitoring.

Features and Benefits

Wide Gas Detection Capability

Supports flammable gases, toxic gases and oxygen using electrochemical, infrared, semiconductor, pellistor-catalytic and PID sensor technologies, depending on the selected variant. This allows the platform to cover a broad range of fixed gas monitoring applications.

Flexible System Integration

4–20 mA and CANbus outputs allow connection to control systems or use as an addressable detector. Selected P1/P2 configurations also support 2-wire 4–20 mA operation.

Local Control and Clear Display

15/30Jwin models provide a backlit alphanumeric display showing gas type, concentration units, alarm levels, alarm status and sensor ID. Non-intrusive adjustment options allow easier configuration and operation.

Integrated Data Logging

Built-in data logging stores up to 2,880 readings, supporting monitoring, review and system diagnostics.

Flexible Alarm Options

Optional alarm relays and sounder/relay configurations provide local alarm capability, while selected P1/P2 versions can also be configured with an aspirated sampling system for remote sampling applications.

Robust and Service-Friendly Design

The weatherproof enclosure is designed for quick access using two securing screws, while mounting spacers improve airflow around the detector and simplify installation on surfaces such as circular pillars.

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Product Specifications

Specification	15/30J–F1	15/30Jwin–F1	15/30J–F6	15/30Jwin–F6	15/30J–P1/P2	15/30Jwin–P1/P2
Sensor Technology	Electrochemical, Infrared, Semiconductor, Pellistor-catalytic, PID	Electrochemical, Infrared, Semiconductor, Pellistor-catalytic, PID	Pellistor-catalytic	Pellistor-catalytic	Electrochemical, Infrared, Semiconductor, Pellistor-catalytic, PID	Electrochemical, Infrared, Semiconductor, Pellistor-catalytic, PID
Measuring Range	Depends on sensor insert	Depends on sensor insert	0–100% LEL	0–100% LEL	Flammable: LEL / % vol Toxic: ppm / ppb O_2: % vol	Flammable: LEL / % vol Toxic: ppm / ppb O_2: % vol
Power Supply	15–30 VDC, 24 V nominal	15–30 VDC, 24 V nominal	15–30 VDC, 24 V nominal	15–30 VDC, 24 V nominal	18–30 VDC, 24 V nominal 100–240 VAC option	18–30 VDC, 24 V nominal 100–240 VAC option
Analog Output	3-wire 4–20 mA	3-wire 4–20 mA	3-wire 4–20 mA	3-wire 4–20 mA	3-wire 4–20 mA sink/source 2-wire 4–20 mA option	3-wire 4–20 mA sink/source 2-wire 4–20 mA option
Digital Communication	CANbus					
Relays	Optional Low / High / Fault 0.5 A @ 30 VDC	Optional 3 selectable 3 A @ 30 VDC	Optional Low / High / Fault 0.5 A @ 30 VDC	Optional 3 selectable 3 A @ 30 VDC	Optional 3 selectable 3 A @ 30 VDC	Optional 3 selectable 3 A @ 30 VDC
Display	Optional 2-line backlit display	2-line backlit display	Optional 2-line backlit display	2-line backlit display	Optional 2-line backlit display	2-line backlit display
Data Logging	2,880 readings					
Operating Temperature	–15 to +55°C	–15 to +55°C	–15 to +55°C	–15 to +55°C	–15 to +50°C	–15 to +50°C
Humidity	Pellistor: 0–99% RH EC: 5–95% RH IR: 0–95% RH	Pellistor: 0–99% RH EC: 5–95% RH IR: 0–95% RH	0–99% RH	0–99% RH	0–95% RH	0–95% RH
Detector Head Material	Stainless steel 316 S16	Stainless steel 316 S16	Stainless steel 316 S16	Stainless steel 316 S16	ABS, black	ABS, black
Detector Head IP Rating	IP63; IP64 with Universal Fitting	IP63; IP64 with Universal Fitting	IP63; IP64 with Universal Fitting	IP63; IP64 with Universal Fitting	IP63; IP64 with Universal Fitting; IP65 with Water Shield	IP63; IP64 with Universal Fitting; IP65 with Water Shield
Junction Box	15J shallow / 30J deep					
Junction Box Material	Flame-retardant ABS FR40					
Junction Box IP Rating	IP64					

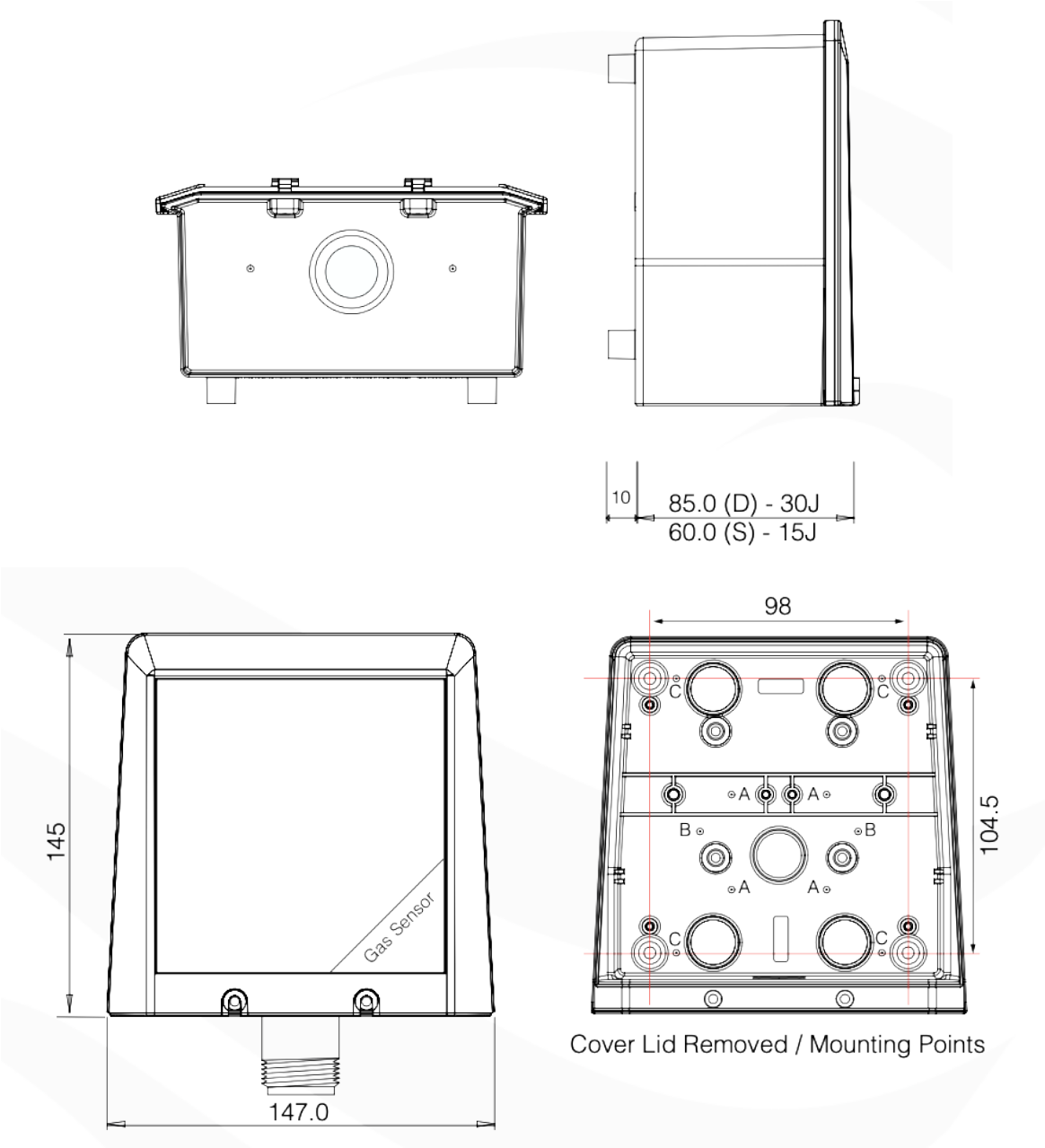
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Detectable Gases

	15/30J–F1 / F1win	15/30J–F6 / F6win	15/30J–P1/P2 / P1/P2win
Detectable Gases	Flammable gases, Toxic gases, Oxygen	Flammable gases	Flammable gases, Toxic gases, Oxygen
Measuring Range	Flammable: LEL / % vol Toxic: ppm / ppb O_2: % vol	0–100% LEL	Flammable: LEL / % vol Toxic: ppm / ppb O_2: % vol

** Available gases, measurement ranges and sensor configurations depend on the selected sensor. Contact your WatchGas representative for information on our complete portfolio of detectable gases, measurement ranges, and sensor configurations.*

Drawing



Accessories



Collector Cone



Universal Fitting



Flow Block Unit



Water Shield

Controllers



COMBI Series System



404+ Remote Monitoring System



WatchGas Defender



WatchGas 102

Other Fixed Detectors



LEL Point 1000
Flammable Gas Detector



LEL Point 2000
Flammable Gas Detector



TOX Point 1000
Oxygen & Toxic Gas Detector



TOX Point 2000
Oxygen, Toxic & VOC Gas Detector



NDIR Point 3000
Infrared Gas Detector



Multi Point
Universal Multi-Gas Detector

Beacon & Sounders



Beacon Sounder



Beacon Sounder ATEX

For more information

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