



GAS ALARM SYSTEM BUCONTROL 4 XL

PART.NO. 1218050-1218063

SYSTEM BUCONTROL 4 XL

GENERAL DESCRIPTION

- 1 to 4 gas sensors
- LED display per channel
- Alarm relay per sensor
- Wall mounting cabinet

The **BUCONTROL 4 XL** is a compact 1, 2, 3 or 4 channel gas detection system, including a monitoring and alarm function.

The external characteristics of the **BUCONTROL 4 XL** is the robust steel wall mounting powder-coated housing, clear front with four displays and three push-buttons, hinged, lockable door and gland plate.

Inside the **BUCONTROL 4 XL** you will find the required terminal blocks, power module, two potential-free alarm relay (A1 and A2) per sensor, system fault (SF) relay and still sufficient place for optional expansions such as, zener barriers, sequencing, etc.

The heart of this gas detection system, for detecting oxygen, toxic and flammable gasses, is formed by the **BUCONTROL 4 XL** gas detection system.

A complete detection system is, depending on your application, consisting of the following components:

- BUCONTROL 4 XL, gas detection system.
- Additional 4-20 mA outputs (optional)
- Accept sensors for Oxygen, Poisonous and Flammable gasses
- Zener barriers (Ex applications)
- Alarm devices (flash lights, beacons, etc.)
- Cabling, cable glands, etc.

APPLICATIONS:

- + Chemical industry
- + Refineries
- + Waste water treatment
- + Boiler houses
- + Laboratory / Universities
- + Storage dangerous goods
- + Food industry

CONSILIUM DOES MORE THAN JUST DELIVERY:

- + Tailor made advice
- + Project management
- + Technical support
- + Training and education
- + Commissioning
- + Onsite service / maintenance / calibration
- + Rentals



Power coated steel














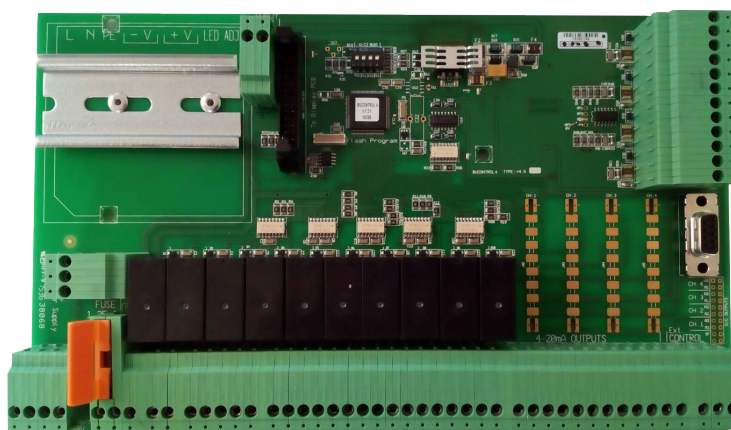
Stainless steel

ORDERING INFORMATION

GAS DETECTION SYSTEM		
TYPE	PART.NO	DESCRIPTION
BUCONTROL 4 XL - 1	I218060	Gas Detection system, 1 sensor input, powder coated steel
BUCONTROL 4 XL - 2	I218061	Gas Detection system, 2 sensors input, powder coated steel
BUCONTROL 4 XL - 3	I218062	Gas Detection system, 3 sensors input, powder coated steel
BUCONTROL 4 XL - 4	I218063	Gas Detection system, 4 sensors input, powder coated steel
BUCONTROL 4 XL - 1 - SS	I218050	Gas Detection system, 1 sensor input, Stainless Steel
BUCONTROL 4 XL - 2 - SS	I218051	Gas Detection system, 2 sensors input, Stainless Steel
BUCONTROL 4 XL - 3 - SS	I218052	Gas Detection system, 3 sensors input, Stainless Steel
BUCONTROL 4 XL - 4 - SS	I218053	Gas Detection system, 4 sensors input, Stainless Steel

ACCESSORIES

TYPE	IMAGE	PART NO.	DESCRIPTION
Additional 4-20 mA output		1216519	Pcb for additional 4 – 20 mA output / sensor (expension print)
Internal Power Supply		1216549	Internal Power Supply 230VAC / 24VDC – 2,5A (spare part)
SVA, Alarm messenger		4000195	Alarm messenger (SMS / Email)
Signal tower		4000177	Multi LED Signal tower with 3 colours (green, orange & red), incl. buzzer (230VAC)
		4000200	Multi LED Signal tower with 3 colours (green, orange & red), incl. buzzer (24VDC)
Sounder + Beacon		4000188	Combined Sounder (110dB) and beacon (Red flash light) 230VAC
		4000189	Combined Sounder (110dB) and beacon (Red flash light) 24VDC
Beacon		4000196	Beacon (Red flash light) 230VAC
Signal tower "FlatSign"		4000204	Multi Signal tower with 3 colours (green, orange & red), incl. buzzer (230VAC)
Text sign		4000184e	Text sign "GASALARM – LEAVE AREA"
		4000185e	Text sign "GASALARM – DO NOT ENTER"
EMC Cable gland		4002416	PG11 for entry of sensor cable
		4002402	PG13,5 for entry of sensor cable
EMC Cable nut		4002415	PG11 in combination with 4002416
		4002417	PG13,5 in combination with 4002402



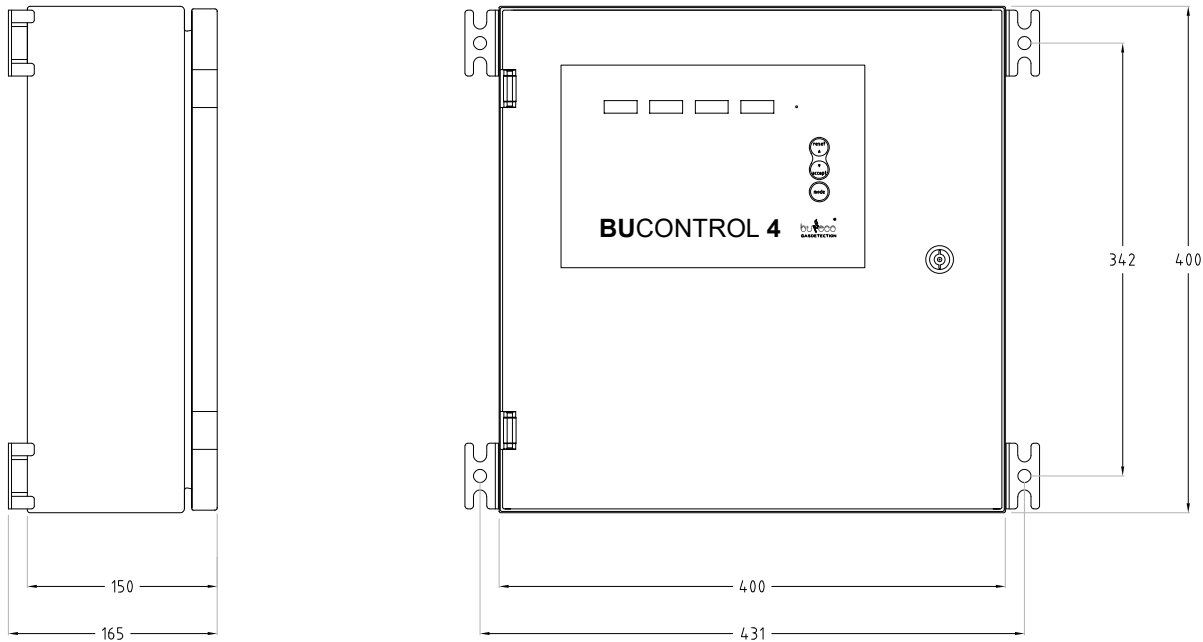
PCB BUCONTROL 4 XL

CONNECTION DETAILS

All inputs and outputs of the **BUCONTROL 4 XL** are available on sturdy terminals on the inside of the cabinet. At the bottom of the box there is a gland plate where all cables have individual cable glands. The system is equipped with a built-in power supply but can be supplied from an external power supply (emergency voltage) if required.

All connections are with screw terminals that accept wires up to 1 mm². The inputs and outputs of the various channels are clearly distributed over the pcb and enable quick assembly and installation.

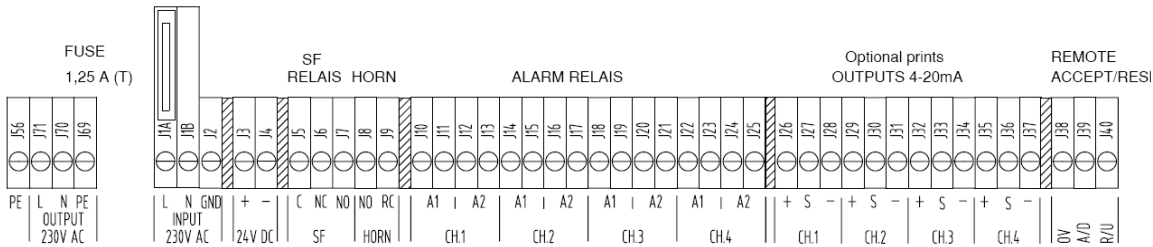
DIMENSIONS



CONNECTION

SENSINGHEADS
INPUTS 4-20mA

J63	+	
J62	-	CH.1
J61	+	
J59	-	CH.2
J58	+	
J57	-	CH.3
J55	+	
J54	-	CH.4
J53	+	
J51	-	
J49	+	
J48	-	



SPECIFICATIONS

PRODUCT	BUCONTROL 4 XL
Bucontrol 4 XL-1 Bucontrol 4 XL-2 Bucontrol 4 XL-3 Bucontrol 4 XL-4	Suitable for 1 gassensor Suitable for 2 gassensors Suitable for 3 gassensors Suitable for 4 gassensors
Units	%LEL, ppb, ppm, Vol.%
Display	Seperatly LED display per sensor continues display of gas concentration, alarm- en statusnotifications
Buzzer	On the frontpanel
Analog inputs	4-20 mA (sink/source), max. 4 pieces (depends on the type)
Digital inputs	2 pieces (extern reset, extern accept)
Analog outputs	4-20mA per sensor (source), max. 4 pieces
Digital outputs	Per sensor; A1 alarm, A2 alarm (N.O. or N.C. - potential free contact) Common; SF (System failure), Sounder (acceptable) (max. 5A - 250VAC, 5A - 30 DC) Latching / Non-Latching, to be specified when ordered" Common; SF (System failure), Sounder (acceptable) (max. 5A - 250VAC, 5A - 30 DC) Latching / Non-Latching, to be specified when ordered
Standard alarm setpoints	A1 alarm: 10% measuring range (adjustable over the entire measuring range) A2 alarm: 20% measuring range (adjustable over the entire measuring range) SF alarm: -10% measuring range Sounder: activated by each A1 or A2 alarm
Power supply	230 VAC / 24 VDC
Power consumption	max. 15 Watt
Temperature range	-10 tot +60 °C
Afmetingen	400x400x150 mm (HxBxD)
Weight	11 kg
Enclosure	Steel powder coated, optional SS
Manufacturer	Buveco Gasdetection BV, a Consilium Group Company

