

GAS DETECTION SYSTEM BUMODULE

PART.NO. 1219000-1219001



SYSTEM BUMODULE

GENERAL DESCRIPTION

- Gasdetection control unit
- 1 or 2 gas sensors
- 2 gas alarm relays
- DIN rail mounting
- Link option

The **BUMODULE** is a 1 or 2 channel gas detection unit with **control and alarm capability**. The **BUMODULE** unit can be mounted on a 35mm DIN rail system and can easily be integrated within electronic switch boxes or control and alarm systems.

The module features a special connector on both sides of the enclosure to enable easy set up when using multiple **BUMODULE** units on one 35mm DIN rail. System expansion, up to 10 units is very easy.

The **BUMODULE** DIN rail gas detection unit is the centre of a complete gas detection system for the detection of Oxygen, toxic and combustible gases. The gas detection control unit can be configured according to your specifications using the following components:

- + **BUMODULE** , gas detection control unit.
- + DIN rail power supply.
- + Gas sensor/transmitters for Oxygen, toxic or combustible gases
- + Zener barriers (EEx applications)
- + Alarm signals (flash light / sounder)
- + Cable, cable glands, etc.



Custom build cabinet (optional)



Front view

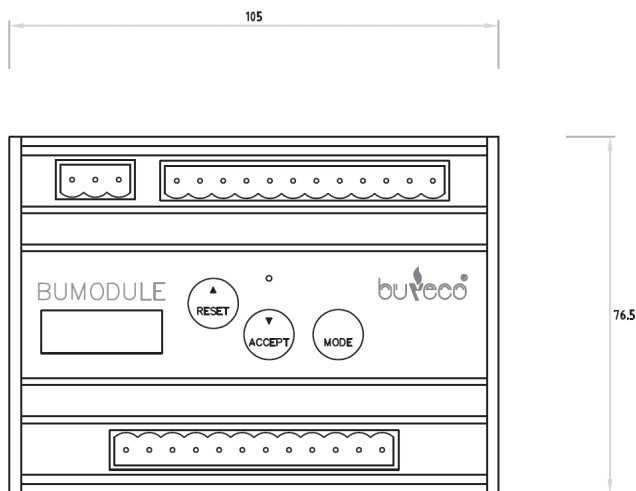


Side view

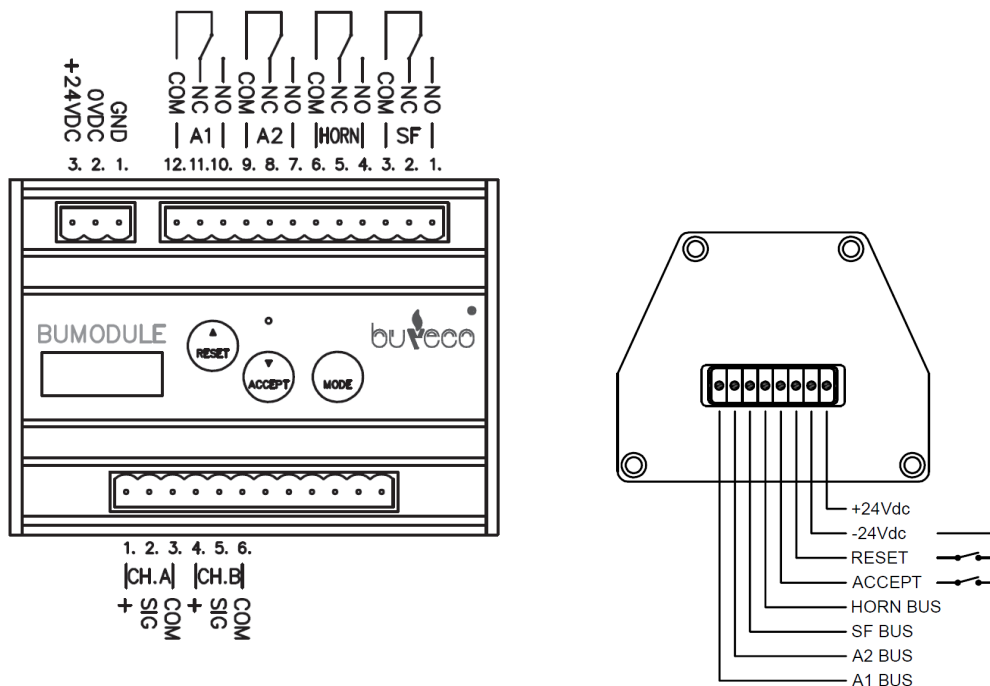
ORDERING INFORMATION

GAS DETECTION SYSTEM		
TYPE	PART NO.	DESCRIPTION
BUMODULE (1 channel)	I219000	1 channel controle module
BUMODULE (2 channel)	I219001	2 channel controle module
BUMODULE (custom made)	n/a	Custom made cabinet (option)

DIMENSIONS



CONNECTION



SPECIFICATIONS

PRODUCT	BUMODULE
Bumodule (1-channel)	Suitable for 1 gassensor
Bumodule (2-channels)	Suitable for 2 gassensors
Units	%LEL, ppb, ppm, Vol.%
Display	Seperate LED display per sensor continues display of gas concentration, alarm- en statusnotifications
Buzzer	On the frontpanel
Analog inputs	4-20 mA (sink/source), max. 2 pieces (depends on the type)
Digital inputs	2 pieces (extern reset, extern accept)
Analog outputs	none
Digital outputs	Common A1 alarm, common A2 alarm (N.O. or N.C. - potential free contact) Common SF (System failure), common 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
Bus connector	Linking of max. 10 BUMODULES (links: 24VDC, A1, A2, SF, sounder, accept, reset)
Power supply	24VDC
Power consumption	max. 6 Watt
Temperature range	-10 tot +60 °C
Afmetingen	400 x 400 x 150 mm (HxBxD)
Weight	400 gram
Enclosure	Steel powder coated, optional SS
Manufacturer	Buveco Gasdetection BV, a Consilium Group Company

