



CONEX_c[®]-IVM CONTROL UNIT



The CONEXc-IVM control unit is a part of the GatEx PRO anti-explosion gate valve system.

It is a device that evaluates information from the detection line and if an explosion is detected in the protected area, it activates a quick-closing valve to close the quick-closing gate valve, thus preventing the explosion from being transferred further into the technology.

CONEXc-IVM controls the functions and processes feedback signals for **one quick-closing gate valve** including its accessories. It controls the entire system, including detecting any faults, and it provides an interface for the customer to use to communicate with master control systems.

GatEx PRO anti-explosion gate valve system automatically detects an explosion and subsequently prevents its transmission through pipes to other equipment. It consists of detection line, CONEXc-IVM and a quick-closing gate valve, or other technical accessories. The whole process of detecting an explosion and preventing its transmission takes place in units of milliseconds.

The quick-closing gate valve is activated by an explosion venting device equipped with an opening indicator complying with the EN 60079-25 standard.

TECHNICAL PARAMETERS

Supply voltage	115 V AC or 230 V AC
Supply voltage frequency	50 to 60 Hz
Power supply fuse	In = 10 A (characteristics B or C)
Power supply wire (cable)	3C x 1.5 mm ²
Current range	100 mA to 2.5 A (depending on load, mode, etc.)
Casing	IP65
Reaction time (response time) – maximum	3 ms
Reaction time (response time) – adjustable SW	1 to 240 sec
Ambient temperature	0 to +60 °C
Relay outputs (one NO/NC contact per relay)	30 V DC/10 A
Number of relays	6 pieces
Buses	CAN (250 kbps)
Incident Record	to internal memory (10000 events)
Signalling	coloured LEDs on the front panel
Visualization	LCD display (160 x 128 pixels)
Control	buttons and dials on the front panel
Parameterization, setting	through specialized software
Dimensions – CONEXc-IVM (H x W x D)	316 x 355 x 167 mm

