

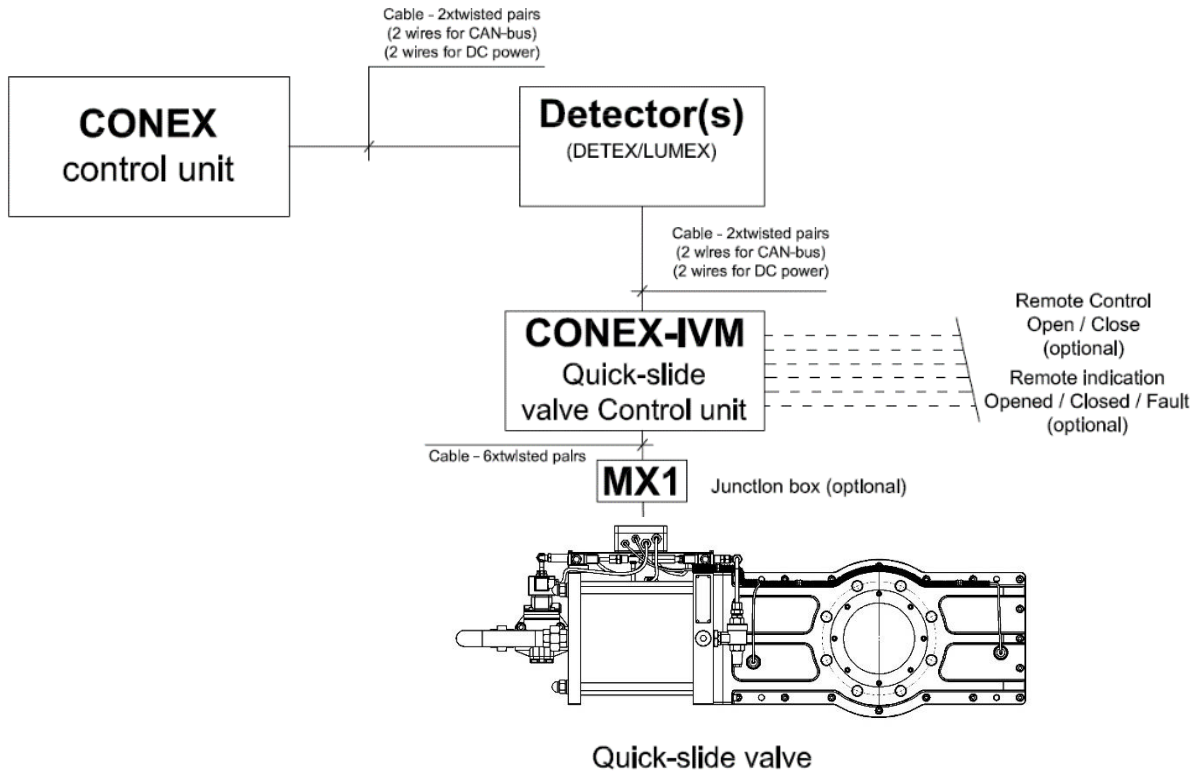


Fire and explosion protection

IVM, CONEX® CONTROL UNIT FOR GatEx

DATA SHEET

CONEX IVM is used to monitor the basic status of GatEx and manual closing or opening. Information about the increased explosion pressure subsequently continues to the control unit CONEX, where the signal is evaluated as an explosion. CONEX then sends a signal again via CONEX-IVM to the GatEx quick-release valve, which by moving it from the initial position causes the compressed air to blow out of the air into the pneumatic cylinder, thereby closing the GatEx.



Block diagram of protection of equipment using quick slide valve system

The cabling between the control unit, slide valve, detector and 230V/50Hz power supply to the control centre must be connected.

Other cabling must be connected (according to customer requirements).





BASIC TECHNICAL DATA OF CONEX CONTROL UNIT WITH SLIDE VALVE UNIT CONEX-IVM	
Supply voltage	100 to 240 V/AC
Supply voltage frequency	50 to 60 Hz
Power supply circuit breaker	In = 10 A (characteristics B or C)
Power supply cable	3 C x 1,5 mm ²
Current consumption of control unit	100 mA to 2.5 A (depending on load, mode etc.)
Cover	IP65
Reaction time (response time) – maximum	3 ms (< 50 ms to complete closure)
Reaction time (response time) – configurable SW	1 to 240 s
Operational ambient temperature	-10 to 50 °C (limited by rechargeable battery)
Relay outputs (one NO/NC contact for one relay)	30 V DC/10 A
Number of relays – two-zone version	6 items
Bus	CAN (250 kbps)
Recording of events	in internal memory (10000 events)
Signalling	colour LEDs on front panel
Visualisation	LCD display (160 x 128 pixels)
Control	buttons and controllers on front panel
Parametrisation, configuration	via specialised software
Dimensions – CONEX (H x W x D)	Dimensions – CONEX (H x W x D)
Dimensions – CONEX-IVM (H x W x D)	270 x 170 x 90 mm
Weight – CONEX-IVM	1 600 g