



Easy to install

RE202R2



Ex barrier module for connection of external signals from FuelCom

The RE202 is an intrinsically safe, galvanic isolated relay output module with 4 independent normally closed outputs. Each output is software controlled and can be programmed to trig on a special event. Whenever an output is activated, a red LED is set to indicate an active output. The RE202 board is fully approved for Ex use and fully ATEX certified. A maximum of 4 modules may be used at the same time.

Product ID:	RE202R2 Module
Operating voltage:	5VDC/ 12VDC (fed from FuelCom)
Norms:	EN 50014, EN50020, EN 60079-II
Maximum switching voltage:	60VDC
Maximum output current:	500 mA
Contact resistance:	max. 150mΩ
Contact type:	Normally Closed. (NC)
Number of relay outputs:	4
Communication:	RS485 max 9600 bps
Environment:	0 - +55°C, indoor
Outdoor operation:	With FuelCom in approved cabinet (optional)
Certification:	ATEX 0470 Nemko
Ex category:	[EEx ia] II C
Gas group:	II (1)G
Certificate:	DNV-2000-ATEX-OSL-0244
Safety limits:	Voltage: U _o /U _i =60VDC
	Current: I _o /I _i = 500mA
Connection:	Screw terminals, 0,25- 2,0mm ² (AWG14-24)

Relay A is allocated to tank 1, relay B to tank 2, etc. One module can monitor maximum 4 tanks. If only one RE202 module is used, all outputs must be either low alarm or high alarm. If the first module is used for low alarm in tank 1-4, a second module may be used for low alarm on tank 5-8, or high alarm in tank 1-4. A green LED (PWR) indicates that power is applied to the module.





Product:	RE202R2 Intrinsically safe isolated relay output module
Communication standard:	RS485 BUS, full duplex, 9600b/s, L<1200m, max 32 stations
Environment:	0 to +55 °C Indoor. (IP20)
Dimensions (W x H x D):	Approx: 10 x 10 x 2 cm.
Installation:	Inside FuelCom slot
Alternative:	PA-VO green housing for DIN rail mount
CE	EN 50014, EN50020, EN 60079-11
Power supply (From FuelCom):	12V DC +/- 5% 200mA, 5VDC +/-5% 30mA, 2,2W total
Maximum relay switching voltage:	U<60V DC@ 500mA (U _o =60VDC)
Maximum relay switching current:	500mA
Contact resistance:	R<150mΩ
Number of channels:	4
Function:	Alarm output signal – high alarm or low alarm.
Input/ output side isolation barrier safe side:	6 kV
ATEX notification body number:	0470 Nemko
Explosion category:	[EEx ia] IIC (T _a = -20 - +55 °C)
Gas group:	II 1G
EC type Examination certificate:	DNV-2000-ATEX-OSL-0244
Safety limits:	U _o /U _i =60VDC, I _o = 500mA
Max. permissible connected inductance:	N/A
Max permissible connected capacitance:	N/A
User accessible keys:	Setting tank number by DIL switch. (binary coded)
Connection:	Screw terminals, wire data: AWG14-AWG24. (0,25-2,0mm ²)

