방 염 형 용 제 Solvent 측 정 기
신 호 전 송 기
E2658−VOC

IP66 | 4-20 mA 0-10 V | RS485 Modbus

장점

* 벽부형의 견고한 방염금속외함
* ATEX Zone 2와 22에 적합
* 2개의 선형출력 중 4− 20mA 또는 0− 10V로 설정 가능
* RS485 Modbus RTU 디지털 인터페이스
* 계전기 별매

기술규격

Detected vapors	Acetone, Benzene, Ethanol, Ethyl Acetate, Toluene, Xylenes etc	
Default calibration	Toluene	
Sensor type	Metal-oxide semiconductor	
Sampling method	Diffusion	
Typical detection range	0...100% LEL	0...100 to 1...1000 ppm
Resolution	0,1 %LEL	1 ppm
Response time T90	< 120 seconds	
Sensor lifetime	> 5 years	
Maintenance interval	12 monthss	
Signal update	Every 1 second	
Self-diagnostics	Full functionality check at start-up	
Warm-up time	≤ 1 min	
Power supply	11...30 VDC or 24 VAC	
Power consumption	< 2 VA	
Digital interface	RS485, Modbus RTU protocol	
Analog outputs	2 × 4-20 mA / 0-10 V, user settable	
Enclosure	Grey die-cast aluminium, protection class IP66	
Dimensions	H120 × W125 × D57 mm	
Protection	flameproof, ATEX: II 2 GD, Ex ed IIC T4 Gb	
Cable gland	M25 for SWA cable or steel conduit Ø10...17 mm	
Wire conductors	0,5...1,5 mm²	
Operating environment	Industrial indoor and outdoor areas Safe areas and ATEX Zones 2 and 22	
Operating conditions	-30...+70 °C, <95 %RH; atmospheric pressure ±10%; normal ambient oxygen level; avoid strong mechanical shock, vibrations, EMI; avoid exposure to corrosive gases or silicone containing products	

Relay option (ordering code R)

Output relays	2 × SPST relays (closing contact), 250 VAC / 30 VDC, 5 A max	
Default alarm set-points (set/release)	RE1 (LO): 20/16 % LEL; RE2 (HI): 50/40% LEL;	RE1 (LO): 100/80 ppm; RE2 (HI): 300/240 ppm (for 0...500 ppm range)
Power supply	mains 90...265 VAC power unit (option)	

* 다른 규격의 제품은 별도로 문의 요망

Approvals

Enclosure:

ATEX / IECEx

DEMKO 13 ATEX 1327771U

Ex II 2 G Ex c IIC Gb

Ex II 2 D Ex tb IIIC Db IP66

Glands:

ATEX / IECEx

IBExU08ATEX 1063 X Ex II 1D Ex tD A20 IP 6x Ex

Ex II 2G Ex e II IP68

CE conformity

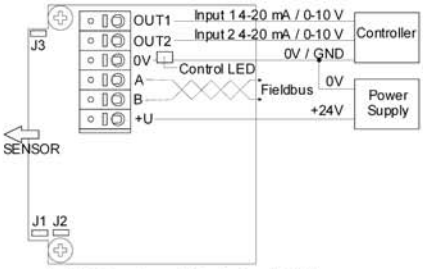
Flameproofepd to IEC EN 60079-1

Increased safety to IEC EN 60079-7

EMC Emissions to EN 61000-6-3, EN 61326-1

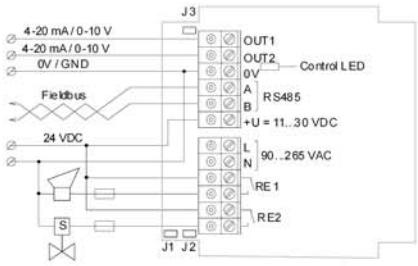
EMC Immunity to EN 61000-6-1, EN 61000-6-2

Connection diagram for basic version −기본형



J1: OUT1 type (open: 4-20 mA; closed: 0-10 V)
J2: OUT2 type (open: 4-20 mA; closed: 0-10 V)
J3: return to factory settings

계전기 판 용 연결 회로도



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