



MULTI GAS SAMPLE DRAW DETECTOR / TRANSMITTER

Gas Detection For Life

35-3010RK Model



Features

- Simultaneously monitors up to 4 points in one enclosure
- Available in LEL, O₂, H₂S, CO, H₂, HC (ppm)
- NEMA 4X enclosure
- Long life pump
- Flowmeter and LED's for operational status
- Low flow indication
- Operates on 24VDC input
- LEL and O₂ available with or without transmitter
- Super toxic versions available

Industry Applications

- Petrochemical plants
- Refineries
- Water & wastewater treatment plants
- Pulp & paper mills
- Gas, telephone, & electric utilities
- Parking garages
- Manufacturing facilities
- Steel
- Automotive
- HVAC

The 35-3010RK series is a compact sample draw detector assembly with a built-in pump that accepts a 24VDC input. This unit features a NEMA 4X enclosure making it dust, water and corrosion resistant. It also features a flowmeter with adjustable flow and a low flow alarm which warns of any obstructions or restrictions in the flow system. Combustibles, oxygen, hydrogen sulfide and carbon monoxide versions are available in many different combinations. Combustibles and oxygen versions can be supplied with or without a 4-20 mA transmitter. The 35-3010RK series can also be configured with RKI's super toxic sensors offering a wide range of detectable toxic gases.

The 35-3010RK is capable of single person calibrations and can be installed up to 500 ft. from a controller, and can interface to any RKI or third party control system (utilizing a 4-20 mA feedback signal). This is a very cost effective way of monitoring for several gases that may be in the same place, and for applications where the sensors cannot be located directly in the area to be monitored. The pump is capable of drawing a sample up to 50' from the sample point.

35-3010RK Model

Sensor Type	LEL	O2	H2S	CO	Hydrocarbon
Min Operating Voltage	23 VDC				
Max Operation Voltage	30 VDC				
Signal Output	4 mA at 0% O2 20 mA at 100% O2 or direct connect	4 mA at 0% LEL 20 mA at 25% LEL or direct connect	4 mA at 0 ppm 20 mA at 100 ppm	4 mA at 0 ppm 20 mA at 300 ppm	4 mA at 0 ppm 20 mA at 500 ppm (Linear)
Sensor Response Time	30 seconds to 90% of concentration	20 seconds to 90% of concentration	45 seconds to 90% of concentration	30 seconds to 90% of concentration	
Operating Environment					
Location	Indoor or outdoor				
Temperature	30 – 120° F (0 – 50° C)				
Humidity	0 – 99% RH, non condensing				5 – 95% RH, non condensing
Housing	Wall mounting grey polycarbonate with hinged cover. NEMA 4X				
Sensor Type	Catalytic combustion	Galvanic cell	Electrochemical		Metal Oxide Semiconductor
Sensor Life	2 years normal service	1-2 years normal service	2 years normal service	2 to 3 years normal service	5 to 10 years (typical)
Dimensions	Height		15.5	394 mm	
	Width		12.5	318 mm	
	Depth		8.3	211 mm	
Sampling Method	Sample draw pump				
Display	Flow meter, LED's for operational status: pilot, fail				
Warranty	One year, materials and workmanship				

ORDERING INFORMATION: The 35-3010RK series can be used with the Pioneer series.

Part#	Description
35-3010RK-01	LEL (int amp)/ O2 (int amp)/ H2S/ CO (4-20mA) sample draw assembly in NEMA 4X enclosure
35-3010RK-02	LEL (int amp)/ O2 (int amp)/ H2S (4-20mA) sample draw assembly in NEMA 4X enclosure
35-3010RK-03	LEL (int amp)/ O2 (int amp)/ CO (4-20mA) sample draw assembly in NEMA 4X enclosure

ORDERING INFORMATION: The 35-3010RKA series can be used with the Beacon 800 and the Pioneer series.

Part#	Description
35-3010RKA-01	LEL/ O2/ H2S/ CO sample draw assembly in NEMA 4X enclosure w/ transmitters
35-3010RKA-02	LEL/ O2/ H2S sample draw assembly in NEMA 4X enclosure w/ transmitters
35-3010RKA-03	LEL/ O2/ CO sample draw assembly in NEMA 4X enclosure w/ transmitters



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