Smoke Detector

SD -50

Best Detectors, Best Service

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[Introduction]

SD-50, the smoke detector with built-in micro processor, receiving signal from sensor and comparing it with preset alarming value, if it exceeds, transmits the relay output to be connected to PLC/DDC.

Usually, the other smoke detectors designed only for fire alarm cannot be used for industrial use because it cannot secure enough accuracy and stability.

However, SD-50 accommodating highest accurate ionization sensor and industrial detector technology, secures best accuracy and stability at the same time.
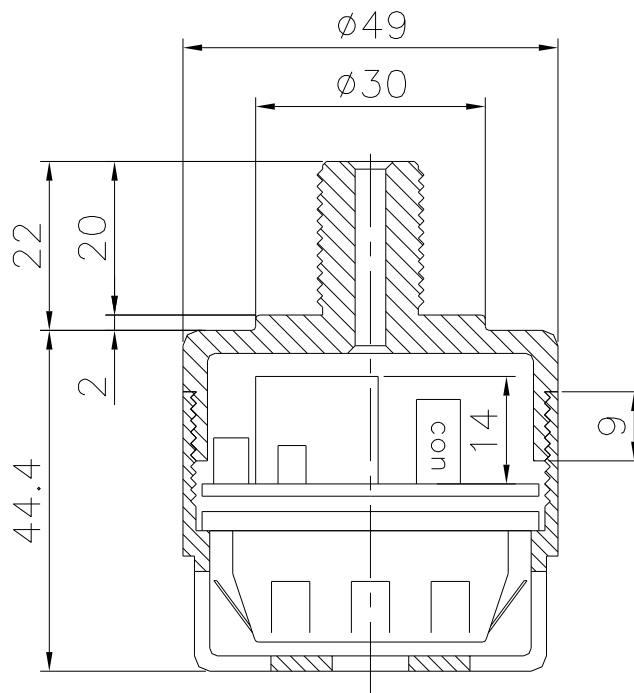
[Features]

◈ Low concentrated smoke detection: SD-50 is designed to secure safety for high sensitive industrial automation equipment which should be the best choice for detection up to 1% smoke density.

◈ Digital process: Built-in micro processor realizes various artificial intelligent functions which enable optimized detection and alarm system to maximize the detection effectiveness.

◈ Ionization sensor: Sensing the slight alterations of electric currency in sensing chamber when smoke meets the air ionized by small amount of radioactive material enables the highest & fastest accurate detection even up to 1% smoke density.

[Specification]

Model	SD - 50
Detection principle	Ionizations smoke chamber
Detection method	Diffusion
Response time	Within 3 seconds
Output	Relay A (DC30V 1A), relay B
Input	DC 22V~26V
Currency consumption	Max 25㎃
Housing	ABS
Operation temperature / humidity	-20℃~ 65℃ / 0 ~ 95% RH (Non-Condensing)
Process	Digital Process

▣SENSOR UNIT

[Wiring]

+	POWER(+) : 24VDC	
-	POWER(-) : GND	
B	⎯◎	NC (NORMAL CLOSE)
COM	⎯/	RELAY COM
A	⎯◎	NO (NORMAL OPEN)