

DC-SENS-SM01B for EMS, RAL7035 (White)  
 DC-SENS-SM01A for EMS, RAL9005 (Black)

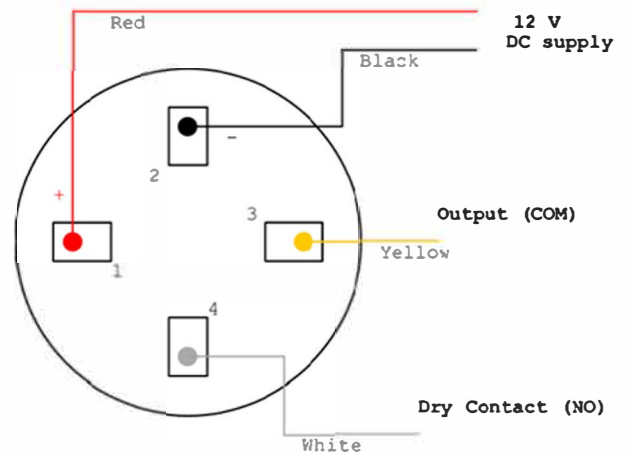
**PRODUCT INTRODUCTION**

Smoke sensor detects the presence of smoke by the amount of reflected light to a pair of infrared light emitting diodes (LEDs). Under normal conditions, diodes receive negligibly weak infrared light. As the smoke builds up, granules contained in the smoke start to reflect back significant amount of infrared light. Normal operational status is indicated by continuously flashing red LED. During alarm, LEDs turn steadily on



**TECHNICAL SPECIFICATION**

OPERATING VOLTAGE	DC: 9V~24V
STANDBY CURRENT	≤55uA
ALARM CURRENT	≤55mA@DC24V
ALARM INDICATION	RED LED ON / STABLE
RESET	AUTOMATIC
OPERATING TEMPERATURE	-10℃ +50℃
OPERATING HUMIDITY	≤95 RH
ALARM OUTPUT	DRY CONTACT / N.O. TYPE
SENSITIVITY	0.5dB/m(±0.1dB/m)
STANDARD	EN54-7 UL268
DIMENSION	103 mm dia.*53mm deep



**PRODUCT FEATURES**

- 9-24V DC voltage operating range
- Low standby current
- Twin led for 360° visibility
- Led status indicator



- ① RED LED INDICATOR
- ② DUSTPROOF MESHWORK
- ③ LIGHT LABYRINTH
- ④ MOUNTING BASE

**INSTALLATION**

- Fix the sensor metal base into the rock cabinet using the screws provided
- Connect Red & Black cable to the power line 9-24V DC
- Connect White & Yellow to dry contact alarm output signal

**LED INDICATION**

- Flashing red : Standby status
- Stable red : Alarm state
- After alarm goes away the sensor automatically resets and goes to standby status after 10 seconds

## MATERIAL LIST



Black metal part



White metal part



Red cable (200 cm)



Smoke sensor



Screw set



Power supply

## WARNINGS

- The detector should not be installed in areas falling out of specified operational range
- Do not remove the dust proof cover until start using the detectors
- Clean the detector with soft brush every six months to maintain the sensitivity and extend life of product
- Switch off power before clean