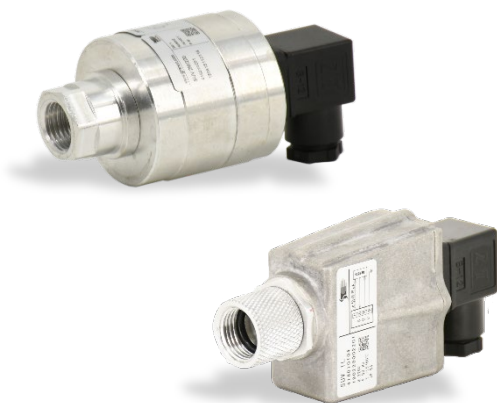


# UV sensor SUV



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## CHARACTERISTICS

- SUV is used for flame detection, and it is insensitive to daylight, infrared radiation and incandescent bulbs lights.
- Spectral detection range: 190~270 nm, the most sensitive wavelength:  $210 \pm 10$  nm.
- The life of light-sensing tube: 10000 h.
- With heat guard lens to isolates the atmosphere inside the burner. Ambient temperature: -15~60 °C.
- Aluminum housing, protection class: IP 54. Install away from heat sources.

## APPLICATIONS

The SUV is used to detect the ultraviolet light generated by flame, and used in conjunction with the burner control unit SCU 2.2/3.1/4.X or the flame monitor SCU 1.1. The feedback current signal is 0 ~ 25  $\mu$ A.

# SPECIFICATION

## Type table

SUV	1	L
	1: Square 2: Cylindrical	L: Low sensitivity H: High sensitivity

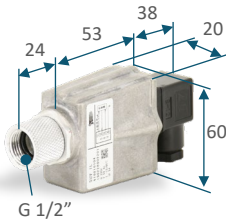
# WIRING

UV sensor terminals are marked with 1, 2, 3 and a ground sign, wiring according to the marks and the wiring diagram of burner control unit or UV sensor.

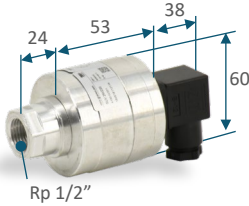
# INSTALLATION

- Connection: Rp1/2" , mounted on the burner flame detection hole.
- A tee is suggested to added to pass the clean cooling air in to reduce the use temperature of UV sensor and prevent the lenses from being staining and affecting the detection.

SUV1



SUV2



Unit: mm