

UV sensor UVS 10

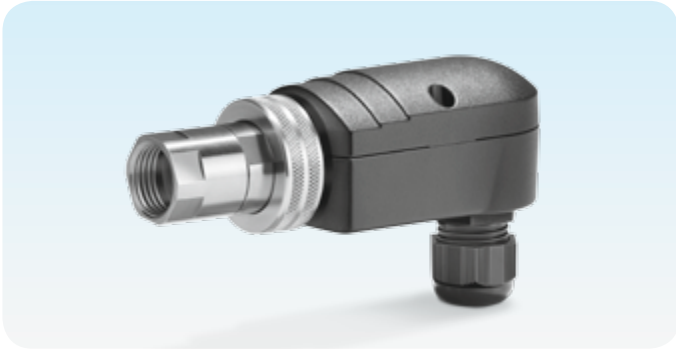
Product brochure · GB

8 Edition 08.09



- Suitable for small burners due to high sensitivity
- Virtually immune to interference due to its insensitivity to daylight, infrared radiation and incandescent bulbs
- Maximum safety thanks to protection against discontinuity or short-circuit on the flame signal cable
- Lower logistics costs as the UVS 10 replaces several previous models
- Suits industrial needs due to robust design
- Complies with the requirements of EN 298 in conjunction with Elster Kromschroder automatic burner control units

Application



For monitoring gas burners of unlimited capacity with or without fan, on hot-air furnaces, gas-fired boilers, industrial furnaces and excess-gas flaring installations in conjunction with Elster Kromschroder burner control units and automatic burner control units.

The UV sensor monitors the gas burners in intermittent operation.

The burners can either be ignited directly or operated as pilot and main burners.

UV sensors UVS 1, UVS 6 and UVS 8 can be replaced by using various adapters.

Certification

For certification, see Technical Information of the corresponding automatic burner control unit or burner control unit that the UV sensor is to be used with.

Maintenance cycles

Service life of the UV tube: 10,000 operating hours.

The UV tube must be replaced after this period.

Replacement possibilities

UVS 1 is to be replaced by UVS 10D4G1 (be sure to install new connection cables).

UVS 6 is to be replaced by UVS 10D0G1.

UVS 8 is to be replaced by UVS 10D2 (be sure to install new connection cables).

Replacement for UVS 5 available on request.

Selection

Type	G1*
UVS 10D0	●
UVS 10D1	●
UVS 10D2	
UVS 10D3	
UVS 10D4	●
UVS 10L0	●
UVS 10L1	●
UVS 10L2	
UVS 10L3	

Order example
UVS 10L0G1

* If "none", this specification is omitted. ● = standard, ○ = available

Typenschlüssel

Code	Description
UVS	UV sensor
10	Series 10
D	Quartz glass heat guard
L	Quartz glass heat guard lens
0	Rp 1/2 internal thread
1	Rp 1/2 internal thread and cooling air connection
2	1/2 NPT internal thread
3	1/2 NPT internal thread and cooling air connection
4	UVS 1 adapter (28 mm (1.1"))
G1	Electrical connection M20 cable gland

Technical data

Aluminium housing with integrated heat guard, with connection terminals.

Distance between UV sensor and flame: 300 – 400 mm.

UV tube: P578, spectral range: 190 – 270 nm, max. sensitivity: 210 nm ± 10 nm.

Service life of the UV tube: approx. 10,000 operating hours.

Min. DC signal: 1 µA.

Enclosure: IP 65.

Ambient temperature: -40 to +80°C (-40 to +176°F).

Weight: 280 g (0.6 lbs).

Max. length of cable UV sensor – automatic burner control unit: see instructions for automatic burner control unit.



Detailed information on this product



http://docuthek.kromschroeder.com/doclib/main.php?language=1&folderid=208030&by_class=6

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