



Number	25GR0043/00	Replaces	--
Issue date	02-06-2025	Contract number	E 0001
Due date	02-06-2035	Module	B (Type testing)
Report number	P000464116	Scope	(EU) 2016/426 (9 March 2016)
PIN	0063DQ1116		

EU TYPE EXAMINATION CERTIFICATE (GAR)

Kiwa hereby declares that the **Flame Detector**, model(s):

**FDU 510,
FDU 520**

Manufacturer

**Elster GmbH (Honeywell)
Strotheweg 1
49504 Lotte - Büren
Germany**

meet(s) the essential requirements as described in the
Regulation (EU) 2016/426 relating to appliances burning gaseous fuels.

Reference standard: EN 298:2022

This certificate is only valid in combination with the appendix to this certificate, where specific information and/or conditions are given.

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APPENDIX TO EU TYPE EXAMINATION CERTIFICATE (GAR)

Manufacturer: Elster GmbH (Honeywell)

FDU 510 Intermittent (Non-permanent) Operation
FDU 520 Continuous (Permanent) Operation

Scope:

Application: Appliances burning gaseous/liquid fuels and non-permanent operation
Flame detection: ION - UV
Applied technology: Electronics
Ambient temperature: -20 °C to +60 °C
Electrical supply: 120/230 Vac / 50..60 Hz
Protection: IP 20 ¹⁾
Installation environment: Pollution degree 1 and 2

Type code of the Flame Detector

- FDU Flame Detector
- 510 Series 510 for intermittent operation
- 520 Series 520 for continuous operation
- Q Mains voltage: 120 V AC, 50/60 Hz
- W Mains voltage: 230 V AC, 50/60 Hz
- 0 Flame control with flame rod
- 1 Flame control with UVS
- 2 Flame control with UVC
- 9 Flame control with series C7027, C7035, C7227 and C7235
- T2 Switch-off threshold: 2 µA
- T5 Switch-off threshold: 5 µA
- T7 Switch-off threshold: 7 µA
- 1 Safety time during operation: 1 s
- 4 Safety time during operation: 4 s
- O1 1 NO contact, 1 NC contact
- O2 2 NO contacts
- 0 No output
- 1 0-5 V output
- K0 No connection plugs
- K1 Connection plugs with screw terminals
- K2 Connection plugs with spring force terminals

See the installation and operating instructions for all specifications and possible options available for the above listed type(s).

Approved safety relevant functions:

Flame detector device: EN 298 Class C

Remarks/special conditions:

- 1) Flame Detector needs to be installed in a control cabinet with minimum IP54.