

D-ZS 087-20

Digital display for displaying the flame signal

- For optimal alignment of flame sensor with the ball flange and/or for displaying the configuration of flame sensor and switching device
- Display of the flame signal (pulse rate)
- Storing of minimum and maximum pulse rate values
- Voltage supply via the flame sensor

- Dimensions 157x87x30 mm (WxHxD)
Weight 0.3 kg



D-ZS 087-20

D-ZS 129-30/-40

LED bar graph display for the flame intensity

- Installation in 19" frame
- 3RU/3HP
- Input 0/4...20 mA

Models

- **D-ZS 129-30**
Power supply 24 VDC
- Dimensions 15.2x128.4x107.5 mm (WxHxD)
Weight 0.2 kg



D-ZS 129-30

- **D-ZS 129-40**
Power supply 230 VAC
- Dimensions 15.2x128.4x107.5 mm (WxHxD)
Weight 0.2 kg

D-ZS 077-10

UV-C test light source for the functional test of flame sensors

- For the functional test of flame sensor models D-LE 103 UL, D-LE 603 UH/US and compact flame monitor D-LX 100 UL,
- Power Supply 230 VAC / 50 Hz

- Dimensions 120x80x81.7 mm (WxHxD)
Weight 0.65 kg



D-ZS 077-10

D-ZS 093

Combined test light source for the UV-A, UV-B and IR spectral range

- For the functional test of flame sensor models D-LE 603 UA/UAF/IS/IG/ISE/ISO, D-LE 701 UA/UAF/IS/IGA, D-LE 703 UA/UAF/IS/IG, D-GT 800 UA/UAF, as well as compact flame monitors D-LX 100 UA/UAF/IS/IG and D-LX 200 UA/UAF/IG
- Power Supply 230 VAC / 50Hz

- Dimensions 120x80x81.7mm (WxHxD)
Weight 0.65 kg



D-ZS 093

D-ZS 118

Optical adjustment aid for alignment of the swivel mount on the sighting tube

- Dimensions L=200, Ø=87 mm
Weight 0.5 kg



D-ZS 118

D-ZS 130

Fail-safe relay card

- Installation in 19" rack/enclosure
- 3RU/10HP
- Power supply 24VDC
- Protection IP00

- Dimensions 50.5x128x190.5 mm (WxHxD)
Weight 0.25 kg



D-ZS 130

D-NG 24/05

Power supply for D-UG 120, D-LX 100 or D-LX 200

- To supply two D-UG 120 switching devices or D-LX 100 and D-LX 200/720 compact flame monitors
- DIN-rail installation
- Input voltage 115/230VAC, output voltage (unregulated) 24 VDC / 0.5 A
- Protection IP20

- Dimensions 70x75x118 mm (WxHxD)
- Weight 0.55 kg



D-NG 24/05

D-ZS 033

Swivel mount for flexible alignment of a flame sensor at the sighting tube of a burner

- $T_{max} = 180^{\circ}\text{C}$

- **D-ZS 033 I for standard flame sensor,** G 1 1/4" thread
- Dimensions L=90, $\varnothing=115$ mm
- Weight 1.6 kg



D-ZS 033 I

- **D-ZS 033 III for Ex-flame sensor,** G 1" thread
- Dimensions L=160, $\varnothing=115$ mm
- Weight 3.4 kg
- other models on request.

D-ZS 114

Separable screw pipe connection for the installation of a D-LE 603.../94 Ex or a D-LE 603.../95 Ex on a standard port of a D-LE 603... flame sensor

- Dimensions L=86, $\varnothing=46$ mm
- Weight=400 g



D-ZS 114

- Thread G 1"

D-ZS 117 / D-ZS 117 HT

Thermal isolator with electrical insulation for the isolation of the heat transfer and/or for electrical isolation between sighting tube and flame sensor

Features

- Rigid up to 120°C, HT up to 180°C

Models

- **D-ZS 117 I for standard flame sensor,** G 1 1/4" thread
- Dimensions L=56, $\varnothing=51$ mm
- Weight 0.05 kg



D-ZS 117 I

- **D-ZS 117 III for Ex-flame sensor,** G 1" thread
- Dimensions L=56, $\varnothing=51$ mm
- Weight 0.05 kg
- High-temperature model on request
- other models on request.

D-ZS 133

Ball valve for closing the sighting tube

Recommended when removing the flame sensor at increased furnace pressure

- $T_{max} = 150^{\circ}\text{C}$

Models

- **D-ZS 133 I for standard flame sensor,** G 1 1/4" thread
- Dimensions L=216, $\varnothing=58$ mm
- Weight 1.4 kg



D-ZS 133 I

- **D-ZS 133 III for Ex-flame sensor,** G 1" thread
- Dimensions L=174, $\varnothing=46$ mm
- Weight 0.9 kg
- other models on request.

D-BT 0...

19" rack for front panel mounting of D-UG 660 control unit

- For switching cabinet mounting in the inner area (IP00), e.g. hinged frame assembly
- Cable connection via 48-pin screwed multipoint socket connector
- Terminal connec from rear.



Models

- **D-BT 013**
Rack for **one** D-UG 660 control unit, 3RU, 24HP
- Dimensions 178x132,5x213 mm (WxHxD)
Weight 0.9 kg
- **D-BT 023**
Rack for **two** D-UG 660 control units, 3RU, 42HP
- Dimensions 269x132,5x213 mm (WxHxD)
Weight 1.45 kg
- **D-BT 043**
Rack for **four** D-UG 660 control units, 3RU, 84HP
- Dimensions 482x132,5x213 mm (WxHxD)
Weight 2.3 kg

D-BT 660...

B19"-rack for rear panel mounting of D-UG 660 control unit

- For switching cabinet mounting in the inner area (IP00), e.g. rear panel assembly
- Cable connection via connection terminals
- Clamp connection from front.



Models

- **D-BT 660**
Rack for **one** D-UG 660 control unit, 3RU, 24HP
- Dimensions 171x149,5x215 mm (WxHxD)
Weight 0.8 kg
- **D-BT 660/2**
Rack for **two** D-UG 660 control units, 3RU, 42HP
- Dimensions 263x149,5x215 mm (WxHxD)
Weight 1.25 kg
- **D-BT 660/4**
Rack for **four** D-UG 660 control units, 3RU, 84HP
- Dimensions 476x149,5x215 mm (WxHxD)
Weight 2.1kg

D-UG 660 G66

19" field plastic housing, for D-UG 660 control unit

- For wall mounting in the outdoor area
- Cable connection via terminals in separate terminal box
- Protection IP55



Models

- **D-UG 660 G66**
Enclosure for **one** D-UG 660 control unit
- Dimensions 135x149,5x250 mm (WxHxD)
Weight 1.5 kg
- **D-UG 660 G66/2**
Enclosure for **two** D-UG 660 control units
- Dimensions 340x236x275 mm (WxHxD)
Weight 3.65kg

D-BT 1...

19" metal field housing for D-UG 660 control unit

- For wall mounting in the outdoor area
- Cable connection via terminals in separate terminal box
- Protection IP55



Models

- **D-BT 142**
Enclosure for **four** D-UG 660 control units
- Dimensions 600x212x473 mm (WxHxD)

D-ZS 140 / 141

Terminal box for D-LE... flame sensor and D-LX... compact flame monitor

- Protection IP65



Models

- **D-ZS 140**
for safe environments
- Dimensions 105x105x66 mm (WxHxD)
Weight 0.35 kg
- 8-pole version
- **D-ZS 140-12** 12-pole version for D-LX 200/720
- **D-ZS 141**
for potentially explosive atmospheres II 2G Ex e II T5/T6
- Dimensions 110x75x55 mm (WxHxD)
Weight 0.4 kg
- 8-pole version
- **D-ZS 141-12** 12-pole version for D-LX 200/720