

## Burner control

Self-monitoring and fail-safe burner control for the control of gas and oil burners as well as combined gas/ oil burners of any capacity

### Features

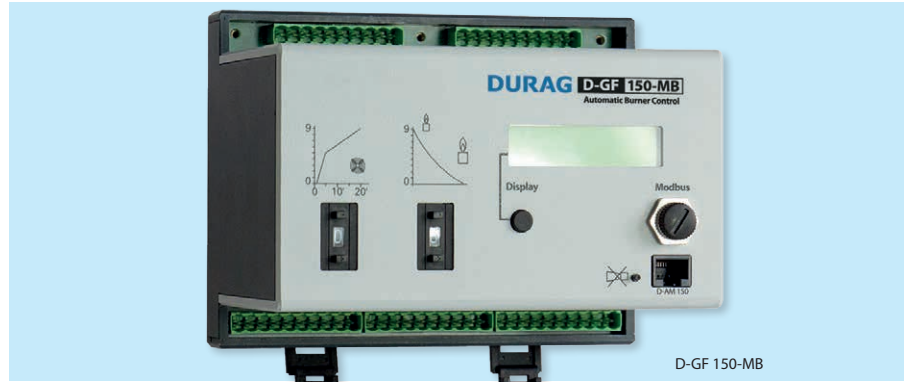
- Controlling and monitoring of gas and oil burners of any capacity
- Suitable for intermittent operation as well as continuous operation
- Integrated gas valve monitoring system
- Separate outputs for control of gas and oil fuel valves
- Quick fuel change "on the fly" without burner shut down
- Adjustable pre-purge timer
- Integrated flame monitor
- Input for external flame monitor
- Data interfaces
- Status displays (LED or text)

### Applications

- Chemical industry
- Refineries
- Cement plants
- Waste incinerators
- Steam generators
- Heating plants

### Certifications

- DVGW
- UL 372
- FM Class 7610
- AGA: AS 4625
- EAC



### Functional description

Generally used fuel types and burners require certain synchronised program cycles and safety times for burner start-up which are controlled and monitored electronically with the burner control.

The following program cycles may be selected on the D-GF 150 automatic firing device:

- Gas fuel with boiler pre-purge
- Gas fuel without boiler pre-purge
- Oil fuel with boiler pre-purge
- Oil fuel without boiler pre-purge.

#### D-GF 150-MB

- Integrated text display for messages of status, program step and errors
- RS485 communication port for supply of parameters, settings and present status via Modbus protocol

### Flame sensors

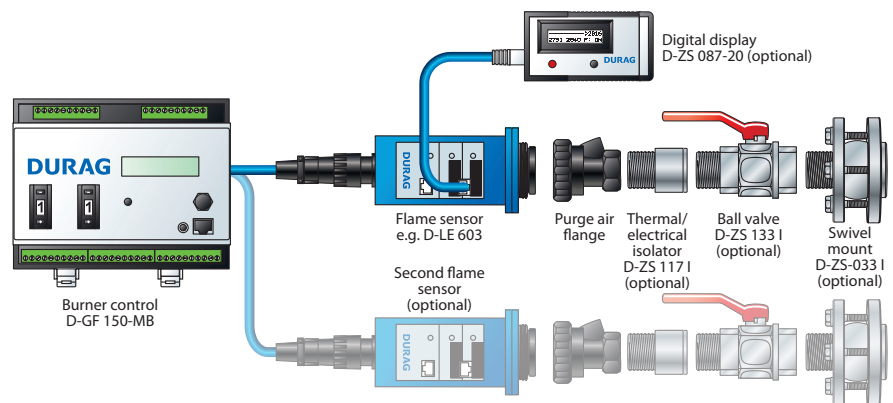
- D-LE 103 for standard applications
- D-LE 603 for selective flame monitoring
- D-LE 701/ 703 for special applications with fibre-optic systems
- D-GT 800 for particularly harsh environments
- Flame sensor for use in potentially explosive atmospheres are also available

### Design

- Device installed on the TS 35 DIN-rail.

### Additional equipment

- **First out annunciator, plain text display, fieldbus communication** (D-AM 150)
- **Digital display** for optimal adjustment of the flame sensors by measuring the pulse rate and its extreme values (D-ZS 087 - 20)



Operational mode	Intermittent operation, continuous operation, 72-hour operation without permanent supervision	Flame sensor	1, 2 parallel or external flame
		Display	LED
Safety	Self-monitoring and fail-safe	Flame intensity	0/4 ... 20 mA
Electrical connection	115/ 230 VAC , 50/ 60 Hz	Data output	to D-AM 150/ D-ZS 087-20
Protection	IP20	Dimensions	170x130x114 mm (WxHxD)
Perm. ambient temperature	-20°C to +60°C	Weight	approx. 1.5 kg
Installation	DIN-rail TS 35	D-GF 150-MB	
Threshold setting	0 ... 9	Display	Text display of status, program step and errors
Pre-purge	30 s ... 20 min	Data output	Direct Modbus port