

NOXMAT
Combustion Technology

Control for NOXMAT® Gas Burners



The
up-to-date
burner control
for old
and
new systems

RELIABILITY AT WORK

Control for NOXMAT[®] Gas Burners

Local burner control with integrated recuperator and ignition transformer in aluminium diecast housing protection class IP 54 according IEC 529 of Elster GmbH and adapted function software for NOXMAT[®]-burners of NOXMAT GmbH and diagnostic functions.

Functional parameters

- Implementation in earthed and non-earthed supply voltage systems
- Implementation for burners in intermittent and continuous operation
- Flame monitoring in 1 or 2 electrode operation
- Flame operation via ionisation current or UV probe
- Constant indication of operation flame monitoring current
- Indication of operational state of the burner
- Indication of error modes
- Query of programmed parameters
- Parameterizable time cycles of burning phase
- Configurable air valve control
- Configurable behavior after malfunctions
- Adjustable shutdown threshold of flame safety unit
- Parameterizable air-pressure watchdog function for pre-purging and burner operation
- Connection via 16-pin plug connector
- Manual operation on-site for burner adjustment or diagnosis
- Internal saving of data for statistical functions, such as e.g. switching cycles, time undershoots, malfunctions and hours of operation

Options

- Software for parameterizing and diagnosis
- Optical-adaptor for PC connection

Technical data

Supply voltage:	230 V~, -15/+10%, 50/60 Hz, optional 115 V~, -15/+10%, 50/60 Hz, Grounded/ungrounded systems
Own consumption:	approx. 9 VA plus power consumption of integral ignition transformer
Output voltage:	supply voltage (concerning solenoid valves and flap drive)
Output current:	max. 2 A per output, however, total current for valves and ignition transformer: max. 2.5 A
Flame monitoring:	sensor voltage approx. 230 V~, sensor current: > 1µA, sensor cable length max. 5 m
Ignition cable:	max. 5 m (advisable: < 1 m)
Max. number of operating cycles:	1,000,000
Ambient temperature:	-20°C to +60°C, no dew formation permitted
Weight:	approx. 5 kg

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