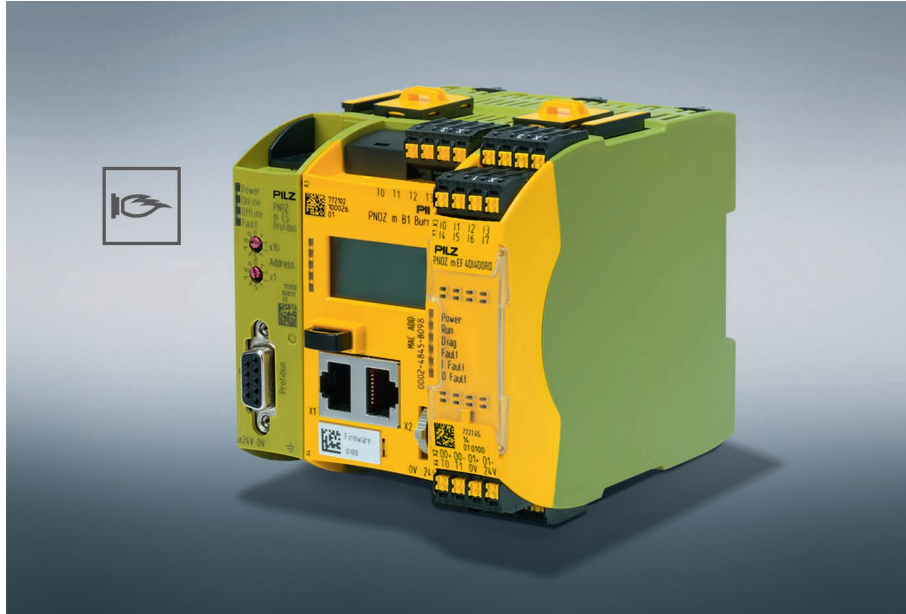# ▶ Safe small controllers PNOZmulti 2 – for applications in burner management

PNOZmulti 2

As a manufacturer of burner and heat-related plant and machinery, you must observe a number of legal and normative requirements. The safety requirements in particular are extremely stringent.

New to the range of safe small controllers PNOZmulti 2 is a base unit for the safe control and monitoring of furnaces. The base unit will be supported from version 10.12 of the software tool PNOZmulti Configurator and is equipped with a burner element (function block) that reproduces the expanded functionality of a flexibly configurable electronic automatic burner control. You can thus easily configure a number of burner applications. These include various burner types, such as master burners or slave burners, direct or indirect ignition, low or high-temperature operation and much more. The software element has been tested and certified according to the corresponding European standards, including EN 298 and EN 50156. Testing according to international standards is in preparation.

Your benefits at a glance
▶ Flexible and safe design of your furnace: control and monitor up to 12 burners with one base unit
▶ Saves lots of time during design and engineering as you can easily and quickly implement even complex safety applications with just one small controller
▶ Connection options with numerous automation environments and communication systems
▶ Maximum safety thanks to tested and certified hardware and software elements
▶ Complies with standards in accordance with EN 298, EN 50156, NFPA 85/86

The safe small controllers PNOZmulti 2 have a modular design. An expansion module with four safe, diverse relay outputs is available to suit the base unit. The module controls the safety valves of a burner.

When needed you can use additional safe input/output modules, e.g. the safe analogue input module. These allow you to safely control and monitor the entire furnace.

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Configurable safe small controllers PNOZmulti 2 – PNOZ m B1 Burner; PNOZ m EF 4DI4DORD

PNOZ m B1 Burner

PNOZ m EF
4DI4DORD

PNOZ

PNOZmulti
Configurator

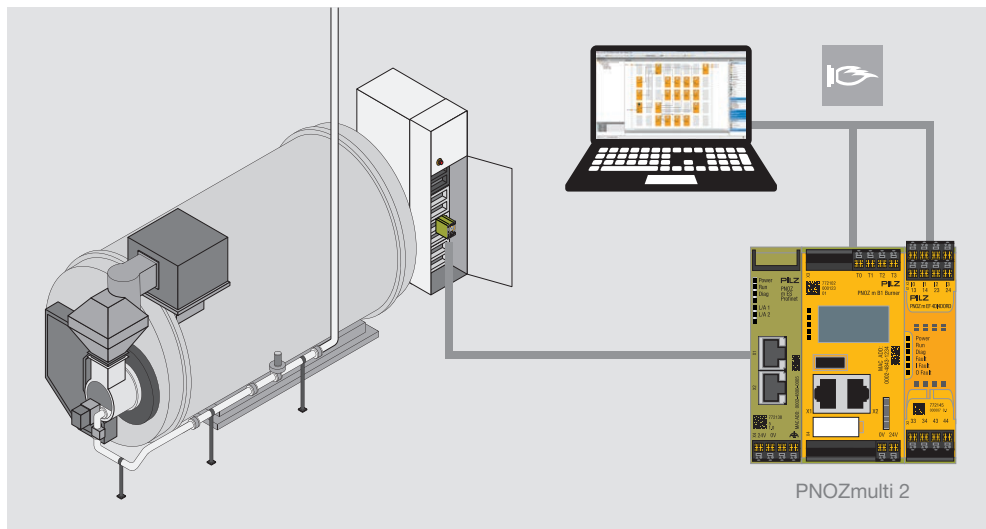| Technical features	▶ Base unit PNOZ m B1 Burner – specifically for burner management:
	- Control and monitoring of furnaces, e.g. monitoring of safety sequences, combustion air pressure, ignition, flame, external compound controller and tightness control
	- Control of safety valves, ignition valves, exhaust valves, ignition, external compound controller and combustion air blowers
	- Monitoring of the following oil and gas burner types possible: master burner with direct ignition, master burner with indirect ignition and joint flame monitoring
	- Up to 12 burner function blocks can be configured per base unit
	▶ Input and output module PNOZ m EF 4DI4DORD:
	- 4 safe inputs; 4 safe positive-guided relay outputs, diverse
	- Suitable for control of a burner's safety valves
	▶ Safety-related characteristic data: depending on the application up to Performance Level PL e/Cat. 4 of EN ISO 13849-1 and Safety Integrity SIL CL 3 of EN/IEC 61508
	▶ Certifications: PNOZ m B1 Burner cULus listed, CE, TÜV, EAC (Eurasian), KOSHA
	▶ Can be configured using the software tool PNOZmulti Configurator: base unit from version 10.12, module from version 10.13:
	▶ Wide range of approved elements/blocks for monitoring safety functions such as emergency stop, safety gates, operating mode selector switches and much more
	▶ Dimensions (H x W x D) in mm:
	- PNOZ m B1 Burner: 100 x 45 x 120.2
	- PNOZ m EF 4DI4DORD: 100 x 22.5 x 120.2

Order number		
▶ PNOZ m B1 Burner		772 102
- Plug-in spring-loaded terminals		751 016
- Plug-in screw terminals		750 016
▶ PNOZ m EF 4DI4DORD		772 145
- Plug-in spring-loaded terminals		751 004
- Plug-in screw terminals		750 004
PNOZmulti Configurator, Basic Licence		
▶ Full version		773 010B

Webcode:
web150399

Online information
at www.pilz.com

PNOZmulti 2

Configurable safe small controllers PNOZmulti 2 for monitoring and controlling your furnace.
All plant-dependent safety functions such as emergency stop, limit value monitoring and many
others can also be monitored and controlled.

We are represented internationally. Please refer to our homepage www.pilz.com
for further details or contact our headquarters.

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