

## Application examples

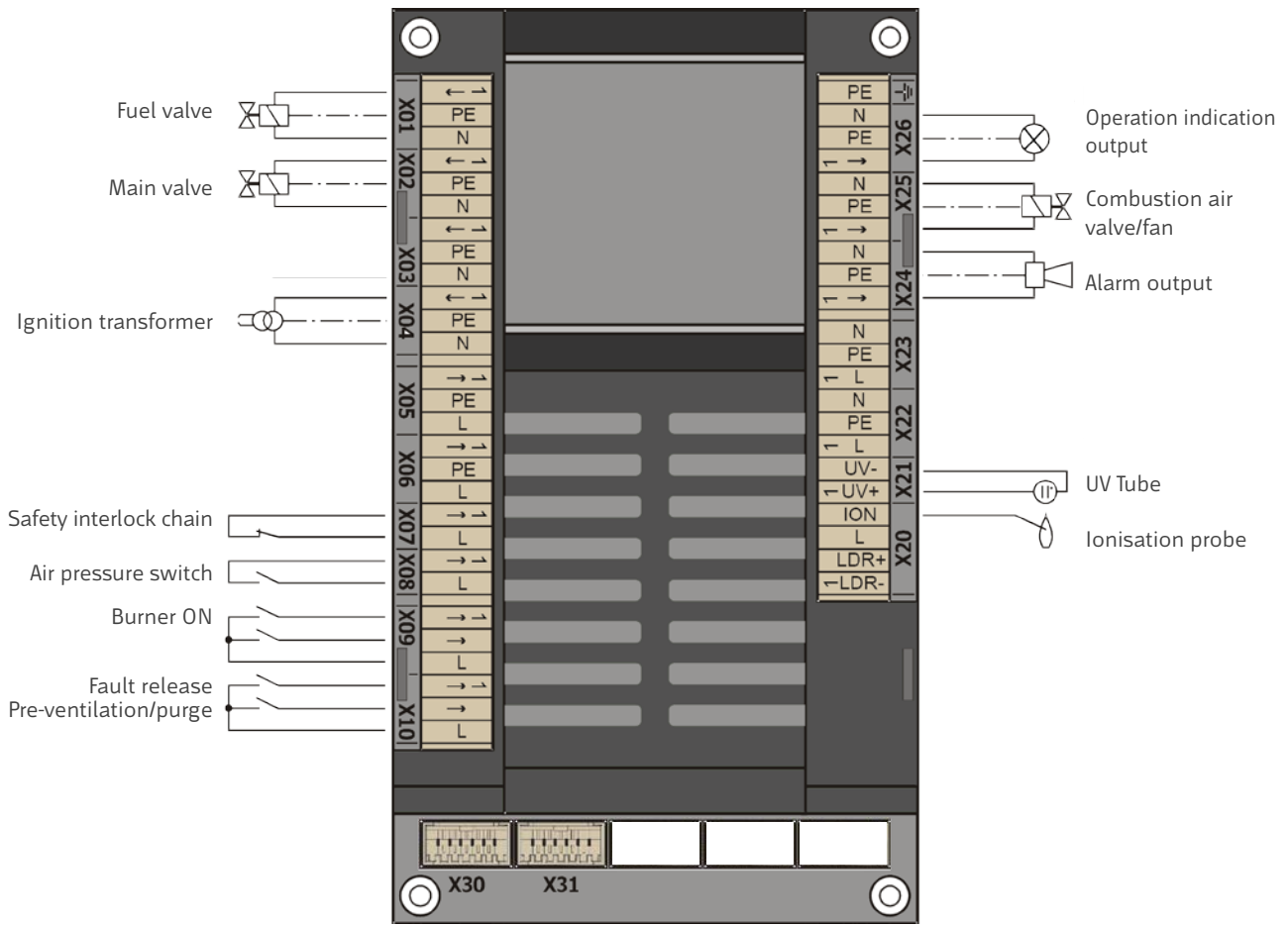
### Simple Burner Control Unit - Flame Safeguard BurnerControl BC300



# Burner Control Unit (Flame Safeguard).

BC300 is an automatic burner control unit (Flame Safeguard) for industrial burners in process plants. It controls and monitors burners of unlimited capacity in intermittent operation as well as in continuous operation. The output is controlled in 1-stage, 2-stage or cyclic operation. The flame can optionally be monitored with ionisation, UV tube or F152 with FFS07/FFS08. With the UI300 graphic user interface, the state of the burner can be detected even at great distances and in poor lighting conditions. The graphic display uses intuitive symbols making it language neutral and easy to understand.

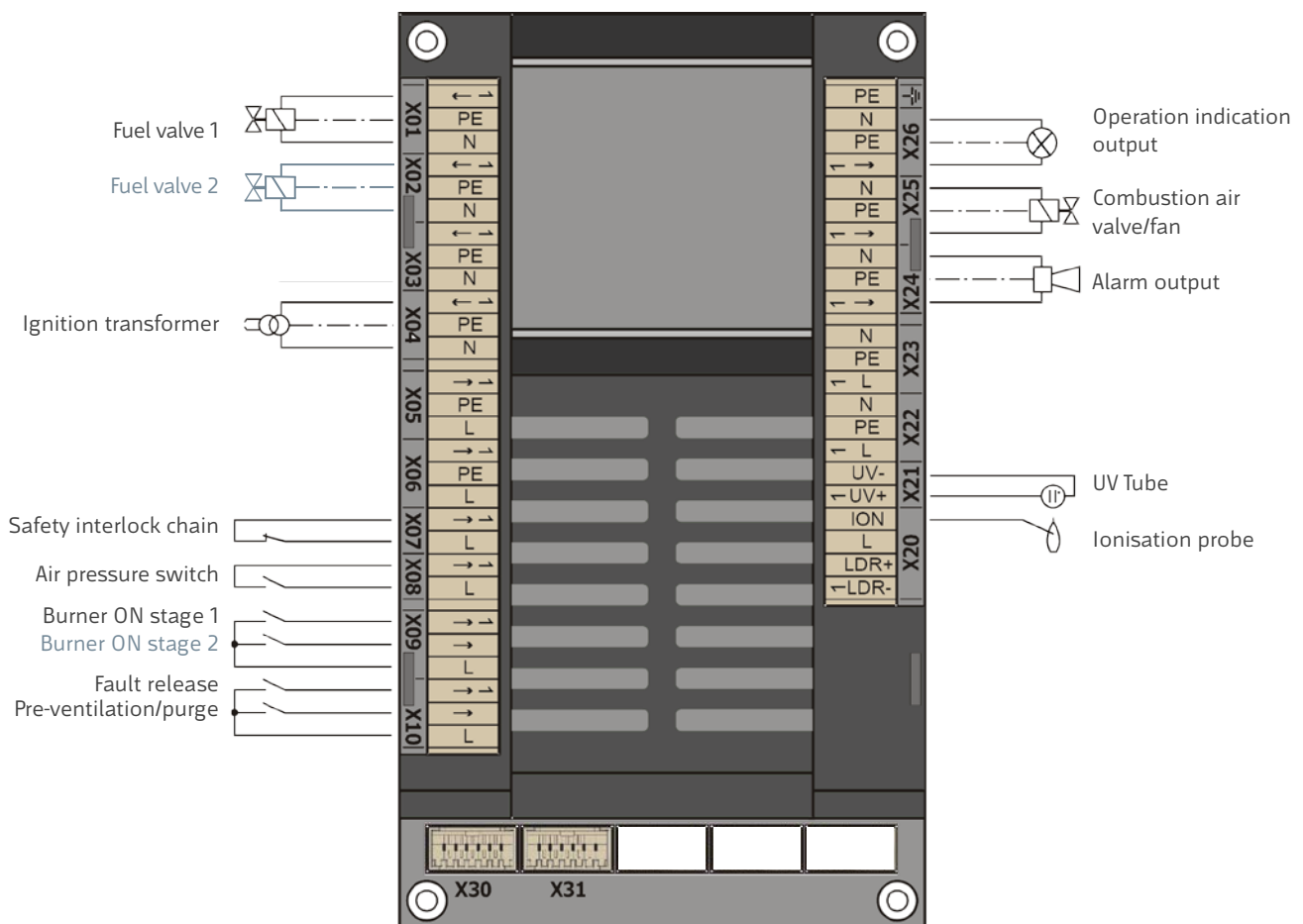
## With pilot burner Single-stage



X30 = UI300 User Interface, cable length 1 m  
 X31 = LSB Option, cable length 1 m  
 (Connection Remote Software)

# Burner Control Unit (Flame Safeguard).

## Without pilot burner Single-stage or Two-stage



X30 = UI300 User Interface, cable length 1 m

X31 = LSB Option, cable length 1 m

(Connection Remote Software)

# Additional Functions.

## Optional functions (set by parameter)

- High-temperature operation
- Cooling function
- Changing the safety times
- Bus compatible (PROFINET)
- Single or dual electrode operation
- Continuously operable (when continuous flame detection device is used)

# Approvals.

## EU-Type-examination certificate

2016/426 A III B (Gas consumption device)

DIN EN 298:2012-11

DIN EN 13611:2011-12

DIN EN 60730-2-5: 2015-10

## SIL 3 Certification



SIL3

DIN EN 298:2012-11

DIN EN 61508:2011 (parts 1-7)

DIN EN 13611:2011-12

DIN EN 13611:2016-09

DIN EN 50156-1:2016-03 clause 10.5

DIN EN 50156-2:2016-03

## EU Declaration of Conformity

2014/35/EU (Low Voltage Directive)

2014/30/EU (EMC Directive)

(EU) 2016/426 Gas Appliance Regulation (GAR)

2011/65/EU (RoHS)



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