



Product Range Overview

LME7...

LME7s are used for the startup and supervision of multistage or modulating oil or gas burners in intermittent operation. The flame is supervised with an ionization probe, a QRI infrared flame detector, or a QRA UV flame detector. Yellow-burning flames are supervised with QRB1/QRB3 photoresistive detectors or a QRB4 yellow flame detector, and blue-burning flames with a QRC blue flame detector.

- Applications in accordance with EN 267: Forced draft burners for liquid fuels
- Type-tested and approved in accordance with DIN EN 298
- Applications in accordance with EN 676: Automatic forced draft burners for gaseous fuels

Features of the LME7:

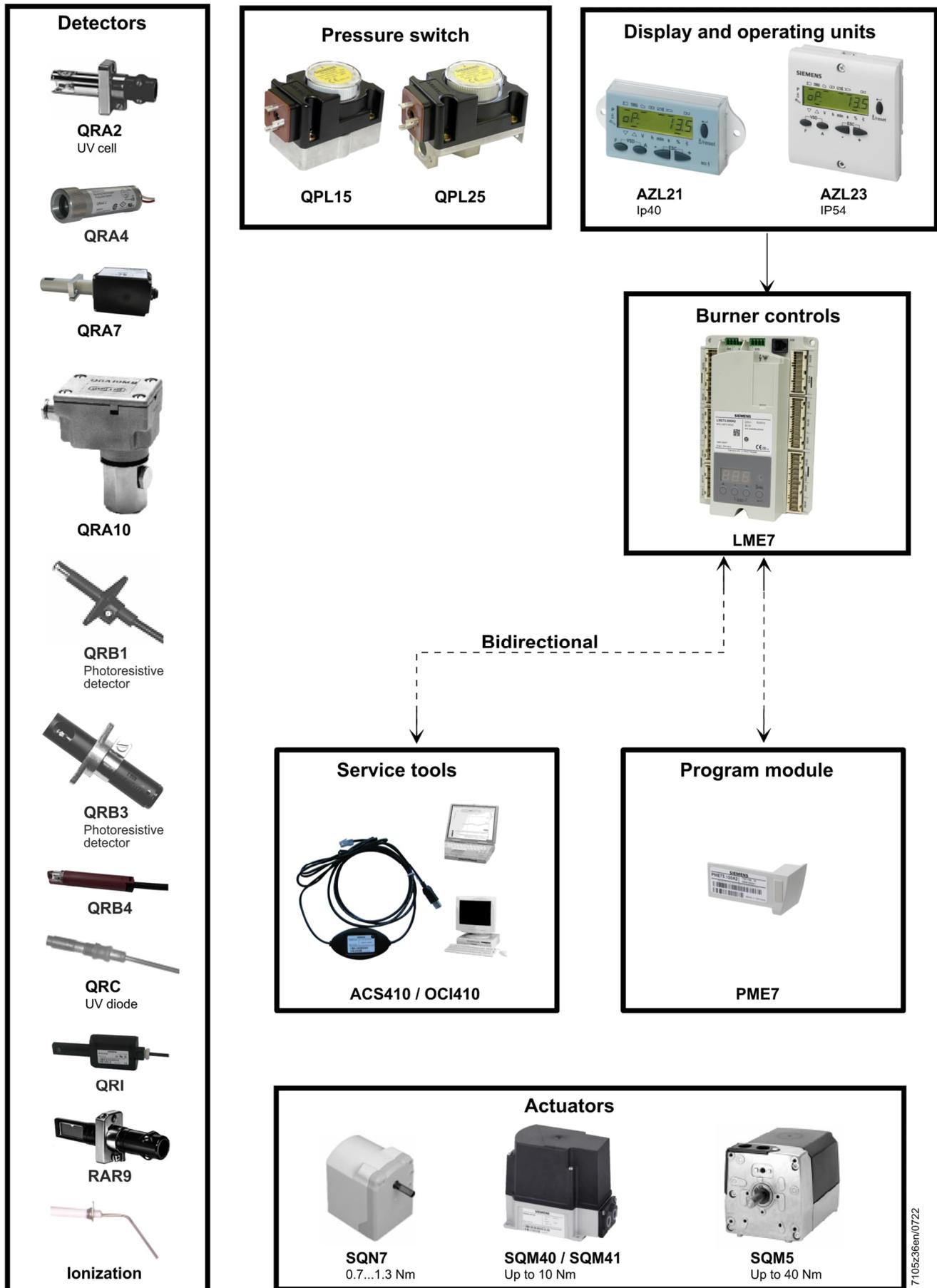
- Undervoltage detection
- Air pressure supervision with functional check of the air pressure switch during startup and operation
- Electrical remote lockout reset facility
- Multicolor indication of fault state and operating state messages
- Restart limitation
- Accurate control sequence thanks to digital signal handling
- Controlled intermittent operation after 24 hours of continuous operation

Documentation

This documentation provides an **overview** of the product range.

Target groups

- Sales teams
- In-house staff
- Burner specialists



7105z-36en/0722

Burner control

LME71/LME72/LME73

Parameterized burner control for the supervision of multistage or modulating forced draft oil/gas burners and atmospheric burners of medium to large capacity in intermittent operation. With controlled air damper control.



Article no.	BPZ:LME71.000A1	BPZ:LME71.000A2	S55333-B205-A100	BPZ:LME72.000A2 *)	BPZ:LME73.000A1	BPZ:LME73.000A2
Type	LME71.000A1	LME71.000A2	LME71.901A2	LME72.000A2 *)	LME73.000A1	LME73.000A2
Mains voltage 120 V AC	●	--	--	--	●	--
Mains voltage 230 V AC	--	●	●	●	--	●
Gas pressure switch-min or POC	●	●	●	●	●	●
Pressure switch valve proving	●	●	●	●	●	●
Air pressure switch	●	●	●	●	●	●
Ionization probe	●	●	●	●	●	●
QRA2/QRA4/QRA10	●	●	●	--	●	●
QRB1/QRB3/QRB4	--	--	--	--	●	●
QRC	--	--	--	--	--	●
Load controller analog input signal (0...10 V, 4...20 mA, 0...135 Ω)	●	●	●	--	●	●
Load controller input, 3-position step input or 2-stage	●	●	●	●	●	●
Actuator control output	--	--	--	●	●	●
Input feedback for actuator with potentiometer 0...1 kΩ	--	--	--	--	●	●
Output PWM control	●	●	●	●	●	●
Onboard LED 7-segment display	●	●	●	--	●	●
BC interface for AZL2	●	●	●	●	●	●

*) On request

Burner control

LME75/LME76

Parameterized burner control for the supervision of multistage or modulating forced draft oil/gas burners and atmospheric burners of medium to large capacity in continuous operation. With controlled air damper control.



Article no.	S55333-B201-A100	S55333-B203-A100	S55333-B202-A100	S55333-B204-A100
Type	LME75.000A1	LME76.000A1	LME75.000A2	LME76.000A2
Mains voltage 120 V AC	●	●	--	--
Mains voltage 230 V AC	--	--	●	●
Pressure switch-min / pressure switch-max or POC → Depending on the PME75/PME76 and respective parameterization	●	●	●	●
Pressure switch valve proving → Depending on the PME75/PME76 and respective parameterization	●	●	●	●
Air pressure switch	●	●	●	●
Ionization probe	●	●	●	●
QRA7	●	--	●	--
QRI	●	--	●	--
LFS1	--	●	--	●
Load controller analog input signal (0...10 V, 4...20 mA, 0...135 Ω)	●	●	●	●
Load controller input, 3-position step input or 2-stage	●	●	●	●
Actuator control output	●	●	●	●
Input 0...1 kΩ of the feedback from an actuator with potentiometer	●	●	●	●
Output PWM fan motor (on request)	●	●	●	●
Onboard LED 7-segment display	●	●	●	●
BC interface for AZL2 and OCI410 with ACS410	●	●	●	●
Continuous operation (intermittent mode parameterized)	●	●	●	●

Product presentation (continued)

Program module

PME71

Program module for LME71.

With oil or gas burner program sequences for LME71.



PME71 with 120 V AC mains voltage

Article no.	BPZ:PME71.111A1	BPZ:PME71.112A1	BPZ:PME71.401A1	BPZ:PME71.402A1	BPZ:PME71.901A1
Type	PME71.111A1	PME71.112A1	PME71.401A1	PME71.402A1	PME71.901A1
Mains voltage 120 V AC	●	●	●	●	●
For operation with LME71.000A1	●	●	●	●	●
For operation with LME72.000A1	--	--	--	--	--
For operation with LME73.000A1	--	--	--	--	--
Forced draft burner gas program	●	--	●	●	●
Atmospheric burner gas program	--	●	--	--	--
1-stage or 1-stage modulating	●	●	●	●	●
2-stage or 1-stage modulating	--	--	●	●	●
Pilot burner, simultaneous/alternating	●	●	--	●	--
Modulating via actuator (pneumatic or mechanical fuel-air ratio control)	--	--	--	--	--
Modulating via PWM fan (pneumatic fuel-air ratio control)	--	--	--	--	●
Fan speed control or fan speed control via analog signal or 3-position step signal	--	--	--	--	●
Actuator control via analog signal or 3-position step signal for actuator with potentiometer	--	--	--	--	--
3-position step signal for actuator without potentiometer	--	--	--	--	--
Control sequence programmable time	●	●	●	●	●
POC	●	●	●	●	●
Valve proving	--	--	--	--	●
Valve proving input ON/OFF	--	--	--	--	--

Product presentation (continued)

Program module **PME71/PME72**
 Program module for LME71/LME72.
 With oil or gas burner program sequences for LME71/LME72.



PME71/PME72 with 230 V AC mains voltage

Article no.	BPZ:PME71.111A2	BPZ:PME71.112A2	BPZ:PME71.401A2	BPZ:PME71.402A2	BPZ:PME71.901A2	BPZ:PME72.521A2 *)	BPZ:PME72.541A2 *)
Type	PME71.111A2	PME71.112A2	PME71.401A2	PME71.402A2	PME71.901A2	PME72.521A2 *)	PME72.541A2 *)
Mains voltage 230 V AC	●	●	●	●	●	●	●
For operation with LME71.000A2	●	●	●	●	●	---	---
For operation with LME72.000A2	---	---	---	---	---	●	●
For operation with LME73.000A2	---	---	---	---	---	---	---
Forced draft burner gas program	●	---	●	●	●	●	●
Atmospheric burner gas program	---	●	---	---	---	---	---
1-stage or 1-stage modulating	●	●	●	●	●	●	●
2-stage or 1-stage modulating	---	---	●	●	●	●	●
Pilot burner, simultaneous/alternating	●	●	---	●	---	---	●
Modulating via actuator (pneumatic or mechanical fuel-air ratio control)	---	---	---	---	---	●	●
Modulating via PWM fan (pneumatic fuel-air ratio control)	---	---	---	---	●	---	---
Fan speed control or fan speed control via analog signal or 3-position step signal	---	---	---	---	●	---	---
Actuator control via analog signal or 3-position step signal for actuator with potentiometer	---	---	---	---	---	---	---
3-position step signal for actuator without potentiometer	---	---	---	---	---	●	●
Control sequence programmable time	●	●	●	●	●	---	---
POC	●	●	●	●	●	●	●
Valve proving	---	---	---	---	●	---	---
Valve proving input ON/OFF	---	---	---	---	---	---	---

*) On request only

Product presentation (continued)

Program module

PME73

Program module for LME73.

With oil or gas burner program sequences for LME73.



PME73 with 230 V AC mains voltage

Article no.	S55333-B318-A100	BPZ:PME73.810A2	BPZ:PME73.811A2	BPZ:PME73.812A2	BPZ:PME73.820A2	BPZ:PME73.830A2	BPZ:PME73.831A2	BPZ:PME73.840A2
Type	PME73.231A2	PME73.810A2	PME73.811A2	PME73.812A2	PME73.820A2	PME73.830A2	PME73.831A2	PME73.840A2
Mains voltage 230 V AC	●	●	●	●	●	●	●	●
For operation with LME71.000A2	--	--	--	--	--	--	--	--
For operation with LME72.000A2	--	--	--	--	--	--	--	--
For operation with LME73.000A2	●	●	●	●	●	●	●	●
Forced draft burner oil program	●	--	--	--	--	--	--	--
Forced draft burner gas program	--	●	●	●	●	●	●	●
Atmospheric burner gas program	--	--	--	--	--	--	--	--
1-stage or 1-stage modulating	●	●	●	●	●	●	●	●
2-stage or 1-stage modulating	●	●	--	--	●	●	●	●
Pilot burner, simultaneous/alternating	●	--	●	●	--	●	●	●
Modulating via actuator (pneumatic or mechanical fuel-air ratio control)	●	●	●	●	●	●	●	●
Modulating via PWM fan (pneumatic fuel-air ratio control)	--	--	--	--	--	--	--	--
Fan speed control or fan speed control via analog signal or 3-position step signal	--	--	--	--	--	--	--	--
Actuator control via analog signal or 3-position step signal for actuator with potentiometer	●	●	●	●	--	●	●	--
3-position step signal for actuator without potentiometer	●	--	--	--	●	--	●	●
Control sequence programmable time	●	●	●	●	●	●	●	●
POC	●	●	●	●	●	●	--	●
Valve proving	--	●	●	--	●	●	●	●
Valve proving input ON/OFF	--	--	--	--	--	--	●	--

Product presentation (continued)

Program module

PME75/PME76

Program module for LME75/LME76.
With oil or gas burner program sequences for LME75/LME76.

Example:



PME75/PME76 with 120 V AC mains voltage

Article no.	S55333-B301-A100	S55333-B303-A100	S55333-B305-A100	S55333-B307-A100	S55333-B309-A100	S55333-B311-A100	S55333-B313-A100	S55333-B315-A100
Type	PME75.231A1	PME75.811A1	PME75.812A1	PME75.831A1	PME76.231A1	PME76.811A1	PME76.812A1	PME76.831A1
Mains voltage 120 V AC	●	●	●	●	●	●	●	●
For operation with LME75.000A1	●	●	●	●	---	---	---	---
For operation with LME76.000A1	---	---	---	---	●	●	●	●
Forced draft burner gas program	---	●	●	●	---	●	●	●
Atmospheric burner gas program	---	●	●	●	---	●	●	●
Forced draft oil burner	●	---	---	●	●	---	---	●
1-stage or 1-stage modulating	---	●	●	●	---	●	●	●
2-stage or 1-stage modulating	●	●	●	●	●	●	●	●
Simultaneous pilot burners	---	●	●	---	---	●	●	---
Alternating pilot burners	●	●	●	●	●	●	●	●
Modulating via actuator (pneumatic or mechanical fuel-air ratio control)	●	●	●	●	●	●	●	●
Actuator control via analog signal or 3-position step signal for actuator with potentiometer → depending on the parameterization	●	●	●	●	●	●	●	●
3-position step signal for actuator without potentiometer	●	●	●	●	●	●	●	●
Control sequence programmable time	●	●	●	●	●	●	●	●
POC → depending on the parameterization	●	●	●	---	●	●	●	---
Valve proving → depending on the parameterization	---	●	---	●	---	●	---	●
Valve proving input ON/OFF (via external switch) → depending on the parameterization	---	---	---	●	---	---	---	●
Gas pressure switch-max → depending on the parameterization	---	●	●	●	---	●	●	●
Oil pressure switch-min / oil pressure switch-max → depending on the parameterization	●	---	---	---	●	---	---	---
Oil preheater / oil temperature limiter → depending on the parameterization	●	---	---	---	●	---	---	---

Product presentation (continued)

Program module

PME75/PME76

Program module for LME75/LME76.
With oil or gas burner program sequences for LME75/LME76.

Example:



PME75/PME76 with 230 V AC mains voltage

Article no.	S55333-B302-A100	S55333-B304-A100	S55333-B306-A100	S55333-B308-A100	S55333-B310-A100	S55333-B312-A100	S55333-B314-A100	S55333-B316-A100
Type	PME75.231A2	PME75.811A2	PME75.812A2	PME75.831A2	PME76.231A2	PME76.811A2	PME76.812A2	PME76.831A2
Mains voltage 230 V AC	●	●	●	●	●	●	●	●
For operation with LME75.000A2	●	●	●	●	---	---	---	---
For operation with LME76.000A2	---	---	---	---	●	●	●	●
Forced draft burner gas program	---	●	●	●	---	●	●	●
Atmospheric burner gas program	---	●	●	●	---	●	●	●
Forced draft oil burner	●	---	---	●	●	---	---	●
1-stage or 1-stage modulating	---	●	●	●	---	●	●	●
2-stage or 1-stage modulating	●	●	●	●	●	●	●	●
Simultaneous pilot burners	---	●	●	---	---	●	●	---
Alternating pilot burners	●	●	●	●	●	●	●	●
Modulating via actuator (pneumatic or mechanical fuel-air ratio control)	●	●	●	●	●	●	●	●
Actuator control via analog signal or 3-position step signal for actuator with ASZ → depending on the parameterization	●	●	●	●	●	●	●	●
3-position step signal for actuator without potentiometer	●	●	●	●	●	●	●	●
Control sequence programmable time	●	●	●	●	●	●	●	●
POC → depending on the parameterization	●	●	●	---	●	●	●	---
Valve proving → depending on the parameterization	---	●	---	●	---	●	---	●
Valve proving input ON/OFF (via external switch) → depending on the parameterization	---	---	---	●	---	---	---	●
Gas pressure switch-max → depending on the parameterization	---	●	●	●	---	●	●	●
Oil pressure switch-min / oil pressure switch-max → depending on the parameterization	●	---	---	---	●	---	---	---
Oil preheater / oil temperature limiter → depending on the parameterization	●	---	---	---	●	---	---	---

Product presentation (continued)

Display units / operating units and accessories

Article no.	Type	
BPZ:AZL21.00A9	AZL21.00A9	Display and operating unit <ul style="list-style-type: none"> • Separate unit for a choice of mounting methods with LCD • 8 digits • 5 buttons • BC interface to LME7 • Degree of protection IP40
BPZ:AZL23.00A9	AZL23.00A9	Display and operating unit <ul style="list-style-type: none"> • Separate unit for a choice of mounting methods with LCD • 8 digits • 5 buttons • BC interface to LME7 • Degree of protection IP54
BPZ:AGV50.100	AGV50.100	Signal cable for AZL2 <ul style="list-style-type: none"> • With RJ11 connector • Cable length 1 m • Packs of 10 pieces Every LME7 must come complete with a cable to connect it to the AZL2 display.



LFS1 flame safeguard **Only for LME76.**

External flame safeguard with approval for continuous operation for the supervision of oil and gas flames.

Article no.	Type	Flame detector	Operating mode
BPZ:LFS1.11A1 BPZ:LFS1.11A2	LFS1.11A1 LFS1.11A2	RAR9	Continuous operation
BPZ:LFS1.21A1 BPZ:LFS1.21A2	LFS1.21A1 LFS1.21A2	ionization probe	Continuous operation
BPZ:LFS1.21A1 BPZ:LFS1.21A2	LFS1.21A1 LFS1.21A2	QRA2/QRA4/QRA10	Intermittent
BPZ:LFS1.21A1 BPZ:LFS1.21A2	LFS1.21A1 LFS1.21A2	ionization probe + QRA2/QRA4/QRA10	Intermittent



Note
The operating mode depends on the flame detector used.

Product presentation (continued)

UV flame detector

QRA2 (only LME71/LME73 or LME76 with LFS1.21)
UV flame detector for the supervision of gas flames and yellow or blue-burning oil flames as well as for ignition spark control. Plastic insulated housing, metalized to prevent static charging caused by the air flow from the fan, lateral illumination.



QRA4 (only LME71/LME73 or LME76 with LFS1.21)
UV flame detector for the supervision of gas flames and yellow or blue-burning oil flames as well as for ignition spark control, metal housing, frontal illumination.



QRA7 (only LME75)
UV flame detector for use with Siemens burner controls for the supervision of gas and oil flames.



QRA10 (only LME71/LME73 or LME76 and LFS1.21)
UV flame detector for the supervision of gas flames and yellow or blue-burning oil flames as well as for ignition spark control. Detector housing made of injection molded aluminum with a 1" mounting coupling and connection facility for cooling air.



Photoresistive detector

QRB1 (only LME71/LME72/LME73)
Photoresistive detector for use with Siemens burner controls, for the supervision of oil flames in the visible range. The QRB1 is primarily used in connection with burner controls for burners of small capacity.



QRB3 (only LME71/LME72/LME73)
Photoresistive detector for use with Siemens burner controls, for the supervision of oil flames in the visible range. The QRB3 is primarily used in connection with burner controls for burners of small capacity.



Yellow flame detector

QRB4 (only LME71/LME72/LME73)
Yellow flame detector for Siemens burner controls, for supervising oil flames in the visible range. The QRB4 is used in connection with burner controls for oil burners in intermittent operation.



Blue flame detector

QRC (only LME71/LME72/LME73)
Blue-flame detector for use with Siemens burner controls, for the supervision of blue and yellow-burning oil or gas flames. The QRC is primarily used in connection with burner controls for burners of small capacity.

Frontal illumination:



Lateral illumination:



Product presentation (continued)

Infrared flame detector

QRI (only LME75)

Infrared flame detector for use with Siemens burner controls for the supervision of gas, oil and other flames that emit infrared light.



Photocell detector

RAR9 (only LME76 with LFS1.11)

Photocell detector for use with our burner controls for the supervision of yellow-burning oil flames. The detector is primarily used in connection with burner controls for larger burners.



Ionization probe

Ionization probe

Flame detector for use with Siemens burner controls for the supervision of gas flames.
Supplied by customer.



Product presentation (continued)

SQN70/SQN71 actuators Electromotoric actuators for air dampers and control valves for oil and gas burners of small to medium capacity.
 Holding torque from 0.7 Nm to 2.5 Nm.
 Running time from 2.5 s to 30 s.

Article no.	Type	
BPZ:SQN70.664A20	SQN70.664A20	<ul style="list-style-type: none"> • Diagram 6 • Shaft no. 0 • Running time 30 s • Nominal torque 2.5 Nm • Holding torque 1.3 Nm • Without potentiometer • Direction of rotation left • 230 V AC
BPZ:SQN71.664A10	SQN71.664A10	<ul style="list-style-type: none"> • Diagram no. 6 • Shaft no. 0 • Running time 30 s • Nominal torque 2.5 Nm • Holding torque 1.3 Nm • Without potentiometer • Direction of rotation right • 120 V AC
BPZ:SQN71.664A20	SQN71.664A20	<ul style="list-style-type: none"> • Diagram no. 6 • Shaft no. 0 • Running time 30 s • Nominal torque 2.5 Nm • Holding torque 1.3 Nm • Without potentiometer • Direction of rotation right • 230 V AC



SQN72 actuators Electromotoric actuators for air dampers and control valves for oil and gas burners of small to medium capacity.
 Holding torque from 0.7 Nm to 2.5 Nm.
 Running time from 4 s to 30 s.

Article no.	Type	
BPZ:SQN72.6C4A20	SQN72.6C4A20	<ul style="list-style-type: none"> • Diagram C • Shaft no. 0 • Running time 30 s • Nominal torque 2.5 Nm • Holding torque 1.3 Nm • With potentiometer • Direction of rotation left • 230 V AC



Product presentation (continued)

SQM40 actuators

Electromotoric actuators for air dampers and control valves for oil and gas burners of small to medium capacity.

Holding torque from 5 Nm to 10 Nm. Running time from 15 s to 30 s.

Article no.	Type	
BPZ:SQM40.281A20	SQM40.281A20	<ul style="list-style-type: none"> • Direction of rotation left • Torque 10 Nm • Running time 30 s • Diagram no. 8 • 3-position step modulation • Shaft no. 1 • European version • 230 V AC • Without potentiometer
BPZ:SQM40.285R11	SQM40.285R11	<ul style="list-style-type: none"> • Direction of rotation left • Torque 10 Nm • Running time 30 s • Diagram no. 8 • 3-position step modulation • Shaft no. 5 • US version / Canadian version • 120 V AC • With 90° double potentiometer
BPZ:SQM40.387A20	SQM40.387A20	<ul style="list-style-type: none"> • Direction of rotation left • Torque 18 Nm • Running time 65 s • Diagram no. 8 • 3-position step modulation • Shaft no. 7 • European version • 230 V AC • Without potentiometer



Product presentation (continued)

SQM41 actuators

Electromotoric actuators for air dampers and control valves for oil and gas burners of small to medium capacity.

Holding torque from 5 Nm to 10 Nm. Running time from 15 s to 30 s.

Article no.	Type	
BPZ:SQM41.285R11	SQM41.285R11	<ul style="list-style-type: none"> • Direction of rotation right • Torque 10 Nm • Running time 30 s • Diagram no. 8 • 3-position step modulation • Shaft no. 5 • US version / Canadian version • 120 V AC • With 90° double potentiometer
BPZ:SQM41.367A21	SQM41.367A21	<ul style="list-style-type: none"> • Direction of rotation right • Torque 18 Nm • Running time 65 s • Diagram no. 6 • 3-position step modulation • Shaft no. 7 • European version • 230 V AC • With 90° double potentiometer
BPZ:SQM41.387R11	SQM41.387R11	<ul style="list-style-type: none"> • Direction of rotation right • Torque 18 Nm • Running time 65 s • Diagram no. 8 • 3-position step modulation • Shaft no. 7 • US version / Canadian version • 120 V AC • With 90° double potentiometer



Product presentation (continued)

SQM5 actuators

Electromotoric actuators for air dampers and control valves for oil and gas burners of medium to large capacity.

Holding torque from 10 Nm to 40 Nm.

Running time from 15 s to 60 s.

By exchanging the two motor connecting cables, the direction of rotation can be changed from counterclockwise to clockwise (factory settings: counterclockwise).

Article no.	Type	
BPZ:SQM50.480A1	SQM50.480A1	<ul style="list-style-type: none"> • Torque / holding torque 15 Nm • Running time 34 s at 90° • Running time 49 s at 130° • 120 V AC
BPZ:SQM50.480A2	SQM50.480A2	<ul style="list-style-type: none"> • Torque / holding torque 15 Nm • Running time 34 s at 90° • Running time 49 s at 130° • 230 V AC
BPZ:SQM50.680A1	SQM50.680A1	<ul style="list-style-type: none"> • Torque / holding torque 15 Nm • Running time 68 s at 90° • Running time 98 s at 130° • 120 V AC
BPZ:SQM53.480A1	SQM53.480A1	<ul style="list-style-type: none"> • Torque / holding torque 25 Nm • Running time 30 s at 90° • Running time 43 s at 130° • 120 V AC
BPZ:SQM53.580A1	SQM53.580A1	<ul style="list-style-type: none"> • Torque / holding torque 25 Nm • Running time 45 s at 90° • Running time 65 s at 130° • 120 V AC
BPZ:SQM54.480A2	SQM54.480A2	<ul style="list-style-type: none"> • Torque / holding torque 25 Nm • Running time 30 s at 90° • Running time 43 s at 130° • 230 V AC
BPZ:SQM54.580A2	SQM54.580A2	<ul style="list-style-type: none"> • Torque / holding torque 25 Nm • Running time 45 s at 90° • Running time 65 s at 130° • 230 V AC
BPZ:SQM56.680A1	SQM56.680A1	<ul style="list-style-type: none"> • Torque / holding torque 40 Nm • Running time 60 s at 90° • Running time 87 s at 130° • 120 V AC
BPZ:SQM56.680A2	SQM56.680A2	<ul style="list-style-type: none"> • Torque / holding torque 40 Nm • Running time 60 s at 90° • Running time 87 s at 130° • 230 V AC



Product presentation (continued)

QPL pressure switch The pressure switch is used to supervise gas or air pressure.

QPLx5 with automatic reset:

Pressure range	O-ring connection	
	Type	Article no.
0.1...0.3 kPa	QPL15.003B	S55722-S106-A100
0.2...1 kPa	QPL15.010B	S55722-S107-A100
0.5...5 kPa	QPL15.050B	S55722-S108-A100
0.5...15 kPa	QPL15.150B	S55722-S109-A100
10...50 kPa	QPL15.500B	S55722-S110-A100



Pressure range	¼" connection	
	Type	Article no.
0.1...0.3 kPa	QPL25.003B	S55722-S101-A100
0.2...1 kPa	QPL25.010B	S55722-S102-A100
0.5...5 kPa	QPL25.050B	S55722-S103-A100
0.5...15 kPa	QPL25.150B	S55722-S104-A100
10...50 kPa	QPL25.500B	S55722-S105-A100



Dummy plug for RJ11

Article no.	Type	
---	---	<ul style="list-style-type: none"> • For 6-pole modular plug (RJ11) • Supplier recommendation: Molex, order number: 085 999 3256

Product presentation (continued)

AGG3.7x0 connector sets

Article no.	Type		
BPZ:AGG3.710	AGG3.710	<ul style="list-style-type: none"> • Complete connector set • RAST5 and RAST3.5 • Single pack 	Example: Terminal X5-03
BPZ:AGG3.720	AGG3.720	<ul style="list-style-type: none"> • 10 complete standard connector sets • RAST5 and RAST3.5 • Packing in bags of 10 pieces for each connector type 	

AGG3.710	AGG3.720	Connector type	Terminal	Description
1	10	RAST5	X2-01	Fan motor (M)
1	10	RAST5	X2-02	Oil preheater (OW)
1	10	RAST5	X2-03	<ul style="list-style-type: none"> • Alarm (AL) • Reset
1	10	RAST5	X2-09B	Actuator (SA) (2-cam fuel valve)
1	10	RAST5	X2-09A	Actuator (SA) (CLOSED, low-fire, high-fire, feedback; N)
1	10	RAST5	X3-02	Air pressure switch (LP)
1	10	RAST5	X3-04	Power supply safety loop (L, N, PE – SL)
1	10	RAST5	X4-02	Ignition (Z)
1	10	RAST5	X5-01	Gas pressure switch-min (Pmin)
1	10	RAST5	X5-03	External load controller (LR)
1	10	RAST5	X6-03	Safety valve (SV)
1	10	RAST5	X7-01	<ul style="list-style-type: none"> • Fuel valve • Auxiliary output
1	10	RAST5	X7-02	Fuel valve
1	10	RAST5	X7-04	<ul style="list-style-type: none"> • Fuel valve • Operating display
1	10	RAST5	X9-04	Gas pressure switch
1	10	RAST5	X10-05	Flame detector
1	10	RAST5	X10-06	Flame detector
1	10	RAST3.5	X65	Analog load controller (LR)
1	10	RAST3.5	X66	Actuator feedback potentiometer
1	10	RAST3.5	X76	PWM control

AGG9 connector sets

Example:
Terminal X5-03

The individual connectors are delivered in packages of up to 200 units each.



Article no.	Type	Connector type	Terminal	Description (depending on the respective PME7 program module)
BPZ:AGG9.201	AGG9.201	RAST5	X2-09B	Actuator (SA)
BPZ:AGG9.203	AGG9.203	RAST5	X3-02	Air pressure switch (LP)
BPZ:AGG9.209	AGG9.209	RAST5	X10-06	Flame detector
BPZ:AGG9.301	AGG9.301	RAST5	X2-01	Fan motor (M)
BPZ:AGG9.302	AGG9.302	RAST5	X2-03	<ul style="list-style-type: none"> Alarm (AL) Reset (EK2)
BPZ:AGG9.304	AGG9.304	RAST5	X4-02	Ignition (Z)
BPZ:AGG9.306	AGG9.306	RAST5	X5-01	Pressure switch
BPZ:AGG9.309	AGG9.309	RAST5	X6-03	Safety valve (SV)
BPZ:AGG9.310	AGG9.310	RAST5	X7-01	Fuel valve
BPZ:AGG9.311	AGG9.311	RAST5	X7-02	Fuel valve
BPZ:AGG9.313	AGG9.313	RAST5	X9-04	Multifunctional input
BPZ:AGG9.401	AGG9.401	RAST5	X2-02	Multifunctional input
BPZ:AGG9.403	AGG9.403	RAST5	X5-03	Load controller (LR)
BPZ:AGG9.405	AGG9.405	RAST5	X7-04	Fuel valve
BPZ:AGG9.501	AGG9.501	RAST5	X3-04	Safety loop (SK)
BPZ:AGG9.504	AGG9.504	RAST5	X10-05	<ul style="list-style-type: none"> Flame safeguard Flame detector
BPZ:AGG9.601	AGG9.601	RAST5	X2-09A	Actuator (SA)
BPZ:AGG9.822	AGG9.822	RAST3.5	X65	Load controller (LR) (2-pole)
BPZ:AGG9.831	AGG9.831	RAST3.5	X66	Feedback potentiometer for the actuator (3-pole)
BPZ:AGG9.841	AGG9.841	RAST3.5	X76	PWM control (4-pole)

Product presentation (continued)

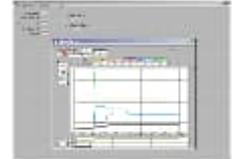
OCI410 service tools Service tool between burner control and PC. Facilitates viewing, processing, and recording of setting parameters on site using the ACS410.

Article no.	Type	
BPZ:OCI410.30	OCI410.30	<ul style="list-style-type: none">• Heating engineer version (standard)• Parameter change possible for the <i>heating engineer</i> password level
BPZ:OCI410.40	OCI410.40	<ul style="list-style-type: none">• OEM version• Parameter change possible for the <i>OEM and heating engineer</i> password level



ACS410 PC software

PC software for parameterization and visualization of the burner control.
On request.



Available documentation

Type reference	Title	Documentation number
ACS410	Software	CC1J7352
AGG3	Connector set	C7105 (74 319 0642 0)
AGG9	Connector set	---
AGV50.100	Signal cable	---
AGV50.300	Signal cable	---
AZL21	Display and operating units	CC1N7542
AZL23	Display and operating units	CC1N7542
LFS1	Flame safeguard	CC1N7782 + CC1A7782
LME71	Burner control	CC1N7105 + CC1P7105
LME73	Burner control	CC1N7105 + CC1P7105
LME75	Burner control	CC1N7156 + CC1P7156
LME76	Burner control	CC1N7156 + CC1P7156
OCI410	BC interface module	CC1N7156 + CC1P7156
PME71.111Ax	Program module	CC1A7105.1
PME71.112Ax	Program module	CC1A7105.2
PME71.401Ax	Program module	CC1A7105.3
PME71.402Ax	Program module	CC1A7105.4
PME71.901Ax	Program module	CC1A7105.5
LME71.901A2	Burner control	CC1A7105.6
PME72.521Ax	Program module (only on request)	CC1A7105.11
PME72.541Ax	Program module (only on request)	CC1A7105.12
PME73.810Ax	Program module	CC1A7105.21
PME73.811Ax	Program module	CC1A7105.22
PME73.812Ax	Program module	CC1A7105.23
PME73.820Ax	Program module	CC1A7105.24
PME73.830Ax	Program module	CC1A7105.25
PME73.831Ax	Program module	CC1A7105.26
PME73.840Ax	Program module (variant 1)	CC1A7105.27
PME73.840Ax	Program module (variant 2)	CC1A7105.28
PME73.231Ax	Program module	CC1A7105.29
PME75.231Ax	Program module	CC1A7156.7
PME75.811Ax	Program module	CC1A7156.1
PME75.812Ax	Program module	CC1A7156.3
PME75.831Ax	Program module	CC1A7156.4
PME76.231Ax	Program module	CC1A7156.8
PME76.811Ax	Program module	CC1A7156.2
PME76.812Ax	Program module	CC1A7156.6
PME76.831Ax	Program module	CC1A7156.5
QPLx5	Gas pressure switch	CC1N7221
QRA2	UV flame detector	CC1N7712
QRA4	UV flame detector	CC1N7711
QRA7	UV flame detector	CC1N7712
QRA10	UV flame detector	CC1N7712
QRB1	Photoresistive detector	CC1N7716
QRB3	Photoresistive detector	CC1N7716
QRB4	Yellow flame detector	CC1N7720

Type reference	Title	Documentation number
QRC	Blue flame detector	CC1N7714
QRI	Infrared flame detector	CC1N7719
RAR9	Photocell detector	CC1N7713
SQN7	Actuators	CC1N7804
SQM40/SQM41	Actuator	CC1N7817
SQM5	Actuator	CC1N7815