



Optical Interface to the PC (Software ACS410) OCI400

Optical interface designed for data transmission from burner controls to terminal units equipped with an RS-232 port.

The OCI400 and this Data Sheet are intended for use by OEMs which integrate the interface in their products.

Use

The OCI400 interface is the connecting link used for the transmission of information and data from burner controls or burner management systems to terminal units, such as PCs or flue gas analyzers.

The interface converts the optical signals delivered by the burner control or burner management systems to electrical signals which can then be handled by suitable software installed on the terminal units.

The burner controls or burner management systems transmit the information and data via the red LED integrated in the lockout reset button.

The data stream in the visible light spectrum is delivered to the photo receiver in the OCI400 where it is amplified and handled.

For this purpose, the OCI400 is plugged onto the lockout reset button of the burner control or burner management system.

The OCI400 is powered via the 9-pin Sub-D plug using protective extra-low-voltage.

The OCI400 is used in connection with the following burner controls:

LMO...

LMG... with adapter ring

LME1..., LME2..., LME3..., LME4..., LME6...

Warning notes



To avoid injury to persons, damage to property or the environment, the following warning notes must be observed!

Do not open, interfere with or modify the unit!

- All activities (mounting, installation and service work, etc.) must be performed by qualified staff
- Only in connection with burner controls or burner management systems specified for use with the OCI400
- Also observe the documentation on the relevant boiler control system
- Fall or shock can adversely affect the safety functions. Such units must not be put into operation, even if they do not exhibit any damage

Mounting notes

- Ensure that the relevant national safety regulations are complied with

Standards and certificates



Note!
Only in connection with burner controls!



EAC Conformity mark (Eurasian Conformity mark)



ISO 9001:2008
ISO 14001:2004
OHSAS 18001:2007

Disposal notes



The unit contains electrical and electronic components and must not be disposed of together with domestic waste.

Local and currently valid legislation must be observed.

Mechanical design

The OCI400 interface consists of optical head with receiver, amplifier, signal handling facility and connecting cable with plug. Connecting cable and optical head are ready connected. The optical head is designed such that it fits flush on the lockout reset button of the burner controls. Hence, the OCI400 can also be used in situations where the burner control is installed under a hood with only the lockout reset button accessible. For use with LMG... burner controls, the OCI400 is supplied complete with an adapter ring which snaps on. Using this adapter, the interface can be plugged onto the lockout reset button of the LMG...

Type summary

Artikelnummer	Typ
BPZ:OCI400	OCI400

Optical interface between burner control and PC
Facilitates viewing and recording setting parameters on site from the burner control in connection with the ACS410 software

Accessories (to be ordered separately)

ACS410

PC software for parameterization and visualization for the burner control
Refer to Installation and Operating Instruction J7352



Technical data

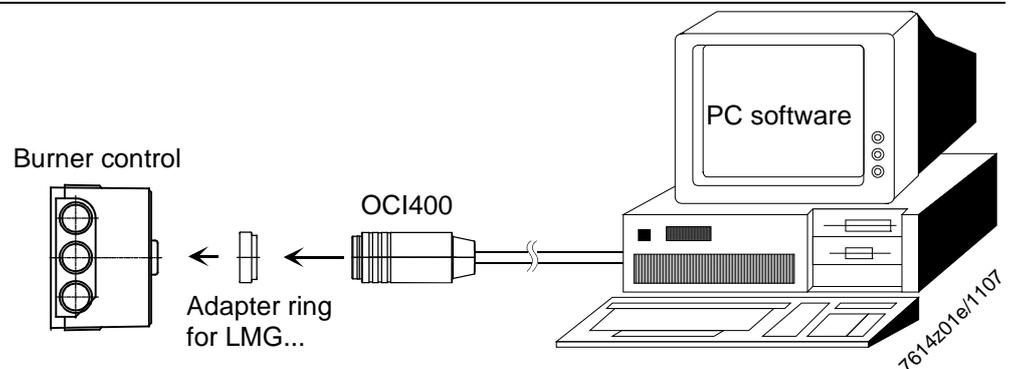
General unit data	Cable length	approx. 1.5 m
	Type of plug	SUB-D 9 female
	Degree of protection	IP40
	Weight (incl. adapter and packing)	approx. 80 g
Environmental conditions	Storage	DIN EN 60721-3-1
	Climatic conditions	class 1K3
	Mechanical conditions	class 1M2
	Temperature range	-20...+40 °C
	Humidity	< 95 % r.h.
	Transport	DIN EN 60 721-3-2
	Climatic conditions	class 2K2
	Mechanical conditions	class 2M2
	Temperature range	-40...+70 °C
	Humidity	< 95 % r.h.
	Operation	DIN EN 60 721-3-3
	Climatic conditions	class 3K5
Mechanical conditions	class 2M2	
Temperature range	-20...+60 °C	
Humidity	< 95 % r.h.	



Warning!

Condensation, formation of ice and ingress of water are not permitted!

Connection diagram



Dimensions

Dimensions in mm

OCI400 complete with plug and adapter ring

