



BC interface between burner control and PC

OC1410...

The OC1410... serves as a BC interface between the ACS410 PC software and a LME39.../LME7.../LMO39.../LMV2.../LMV3... burner control.

The OC1410... and this Data Sheet are intended for use by OEMs which integrate the interface in their products!

Use

The OC1410... is a microprocessor-based interface featuring galvanic isolation, which enables the LME39.../LME7.../LMO39.../LMV2.../LMV3... burner controls to be connected to a PC.

On the PC side, the OC1410... is to be connected to the USB port, on the burner control side to the BCI port.

In connection with the ACS410 PC software, the following functions are provided:

- Visualization of plant states
- Parameterization of the burner controls
- Logging

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. Siemens will not assume responsibility for damage resulting from unauthorized interference!

- All activities (mounting, installation and service work, etc.) must be performed by qualified staff
- Before making any wiring changes in the connection area, completely isolate the plant from mains supply (all-polar disconnection). Ensure that the plant cannot be inadvertently switched on again and that it is indeed dead. If not observed, there is a risk of electric shock hazard
- Cable extensions on the basic unit side (BCI line) are not permitted since there is no safe separation from mains voltage. If not observed, there is a risk of electric shock hazard

Mounting notes

Software installation

- Ensure that the relevant national safety regulations are complied with
- Make certain that strain relief of the connected cables is in compliance with the relevant standards (e.g. as per DIN EN 60730 and DIN EN 60335)
- Ensure that the USB connector is correctly plugged into the PC and that it cannot work loose during the time the PC software is used
- The OCI410... connecting cable of the BCI port (telephone plug RJ11) may only be plugged in when the plant is dead (all-polar disconnection) since the BCI port of the LME39.../LME7.../LMO39.../LMV2.../LMV3... burner controls does not provide safe separation from mains voltage
- When using the OCI410, the USB port on the PC requires special software components. These are delivered along with the ACS410 installation files (refer to Installation and Operating Instructions ACS410 J7352)

Disposal notes



The unit contains electrical and electronic components and must not be disposed of together with household waste. Local and currently valid legislation must be observed.

Type summary

OCI410...	OCI410.20	Version for making diagnostics, ACS410 PC software
	OCI410.30	Version for the heating engineer (standard), parameterization with the ACS410 PC software, parameter changes on password level <i>Heating engineer</i> can be made
	OCI410.31	OEM version for LME39.../LMO39..., parameterization with ACS410 PC software, parameter changes on password level <i>OEM</i> can be made
	OCI410.40	OEM version, parameterization with ACS410 PC software, parameter changes on password level <i>OEM and heating engineer</i> can be made

Technical data

OCI410...	Operating voltage (USB supply)	DC 5 V \pm 5 % (PELV)
	Power consumption	<0.5 W
	Safety class	II
	Degree of protection	IP40
	Mounting position	Optional
System requirements	USB specification	Min. USB 1.1
	Operating system	Refer to documentation J7352 "ACS410"
Cable lengths	USB-side	Approx. 1.5 m
	BCI-side	Approx. 1.5 m
Environmental conditions	Storage	DIN EN 60721-3-1
	Climatic conditions	Class 1K3
	Mechanical conditions	Class 1M2
	Temperature range	-20...+60 °C
	Humidity	<95% r.h.
	Transport	DIN EN 60721-3-2
	Climatic conditions	Class 2K2
	Mechanical conditions	Class 2M2
	Temperature range	-20...+60 °C
	Humidity	<95% r.h.
	Operation	DIN EN 60 721-3-3
	Climatic conditions	Class 3K3
	Mechanical conditions	Class 3M3
	Temperature range	-20...+60 °C
	Humidity	<95% r.h.

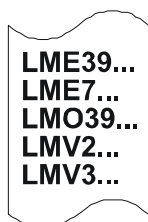


Caution!

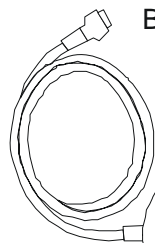
Condensation, formation of ice and ingress of water are not permitted!
If not observed, there is a risk of electric shock hazard!

Connection diagram

Functional extra-low-voltage
without safe separation

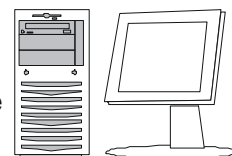


BCI-RJ11 6/4

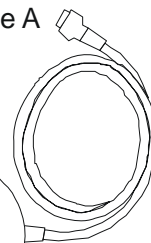


Protective extra-low-voltage
(PELV)

PC software
ACS410



USB type A



Galvanic
isolation

OCI410...

7616z01e/0312

Indication of operating states via LEDs

LED color	Description
Red, flashing fast	Internal device error OCI410...
Orange, steady	Standby (connection BCI dead)
Green, steady	Standby (LME39.../LME7.../LMO39.../LMV2.../LMV3..., connected and ready to operate)
Green, flashing	Communication PC ACS410 ↔ BCI (LME39.../LME7.../LMO39.../LMV2.../LMV3...)

Dimensions

Dimensions in mm

OCI410...

