



The Meter Interface Module ZS/S enables remote reading of meter data and values from ABB energy meter types DELTAplus, DELTAsingle and ODIN. The information which is read can be used for example for cost-centre accounting, energy optimisation, visualisation or monitoring of installations.

Furthermore, meter functions such as tariff switching can be controlled via EIB / KNX, depending on the meter type used.

The Meter Interface Module is a modular DIN rail device for installation in distribution boards. The connection to the ABB i-bus® EIB / KNX is established via the bus connection terminal.

Technical data

Power supply	Bus voltage	21 ...30 V DC via EIB / KNX
	Power consumption EIB / KNX	< 12 mA
	Leakage loss	Max. 250 mW
Operating and display elements	LED red and programming button	For assignment of the physical address and checking the bus connection On: No IR communication Flashing: Connected meter does not comply with parameterisation Flashing: Telegram traffic IN/OUT
	LED fault (red)	
	2 LEDs input/output telegram (yellow)	
Connections	EIB / KNX	Bus connection terminal (black/red)
Infrared interface	Compliant to IEC 61107	
Enclosure	IP 20, EN 60 529	
Ambient temperature range	Operation	- 5 °C ... + 45 °C
	Storage	- 25 °C ... + 55 °C
	Transport	- 25 °C ... + 70 °C
Design	Modular installation device, pro M	
Housing, colour	Plastic housing, grey	
Installation	On 35 mm mounting rail	Complaint to DIN EN 60 715
Dimensions	90 x 36 x 64.5 mm (H x W x D)	
Mounting depth / width	68 mm / 2 modules at 18 mm	
Weight	approx. 0.1 kg	
Mounting position	On mounting rail adjacent to energy meter. Observe the installation instructions!	
Approvals	EIB / KNX	
CE mark	In accordance with EMC and low-voltage guidelines	

Application program	Number of communication objects	Max. number of group addresses	Max. number of associations
Meter data logging/1.0	66	254	254

Note

The programming requires EIB / KNX Software Tool ETS2 V1.2a or higher. If ETS3 is used a “.VD3” type file must be imported. The application program is available in the ETS2 / ETS3 at ABB/Energy meters.

The device does not support the closing function of a project or the KNX devices in the ETS. If you inhibit access to all devices of the project with a “BA password” (ETS2) or “BCU code” (ETS3), it has no effect on this device. Data can still be read and programmed.

Assembly and installation

The device is solely intended for installation in a closed distribution board. This is intended to minimise the occurrence of malfunctions caused by dirt, humidity and external light sources. The communication between the interface and the counters may be subjected to interference with direct incidence of light.

For operation the Meter Interface Module must be snapped onto the mounting rail arranged flush to the energy meter, to ensure that communication via the infrared interface is assured. No air gap may exist between both devices.

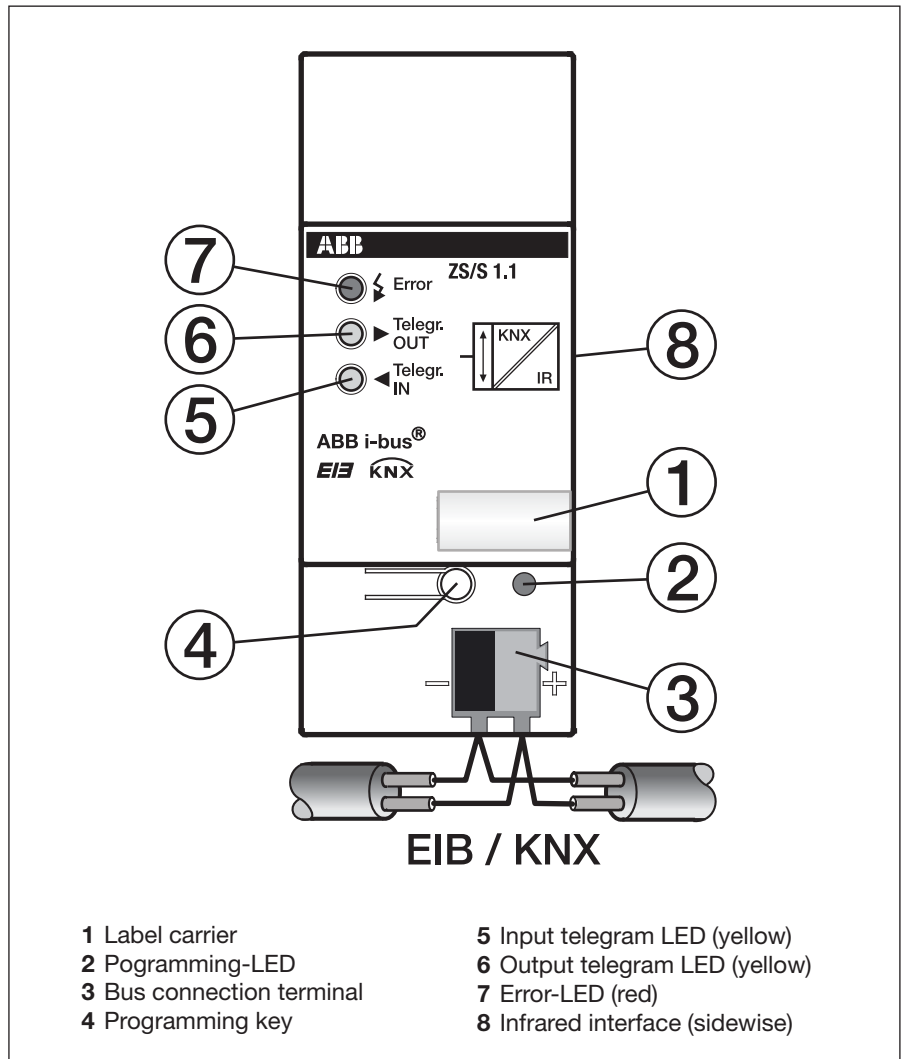
An air gap can interfere with the communication and makes the IR interface susceptible to malfunctions.

If there is a malfunction of the IR communication the LED “Error” (when bus voltage is present) will flash red. In order to avoid the development of an air gap, ensure that the device is not subjected to vibrations after commissioning.

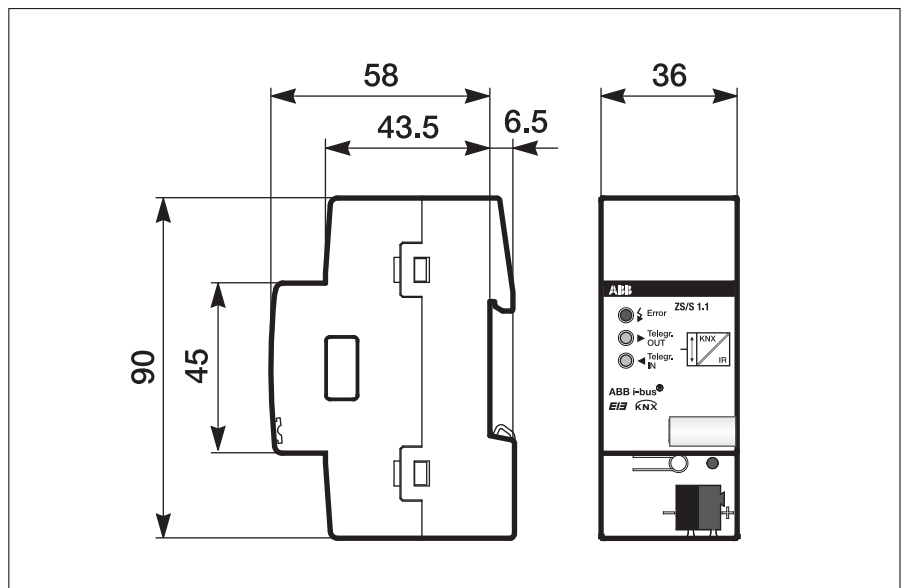
It is important to ensure that the Meter Interface Module and energy meters remains dust-free, dry and clean. In order to guarantee secure interface function we recommend checking the devices at regular intervals – taking account of the level of dirt in their environment – and to clean them.

The specifications and notes in the manuals for the corresponding meter must be observed for mounting, installation and commissioning of the DELTAplus, DELTAsingle and ODIN meters.

Circuit drawing



13 Dimension drawing



Notes

