

- e2i-Touch sensor ITS**
- e2i-bus coupler UP (flush type)**
- e2i-Touch sensor ITS 1-channel**
- e2i-Touch sensor ITS 2-channel**
- e2i-Touch sensor ITS 4-channel**

- Order no.:
- Order no.:
- Order no.: 1241 6..
- Order no.: 1242 6..
- Order no.: 1244 6..

System information

This device is a product of the **e2i**-system and can only be used with an **e2i**-bus coupler in an **e2i**-system.

With an **e2i**-controller, the device can be integrated in Instabus-EIB installations.

Detailed technical knowledge is a prerequisite to proper understanding.

The functionality of this device depends on the software.

Detailed information on loadable software and attainable functionality as well as the software itself can be found in the manufacturer's technical documentation. An updated version of the product database and the technical descriptions are available in the Internet at www.gira.de.

Planning, installation and commissioning of the unit is effected with PC software.



Safety instructions

Attention!

Electrical equipment must be installed and fitted by qualified electricians only and in strict observance of the relevant accident prevention regulations.

Failure to observe any of the installation instructions may result in irreparable damage, in fire and in other hazards.

Function of e2i-Touch sensor (see FIG. A)

Touch sensors are user modules that are plugged into an **e2i**-bus coupler.

Depending on type, the ITS touch sensor has 1, 2 or 4 touch rockers (1), a status LED for each rocker (2) and an operation LED (3).

The function of the touch rockers such as pushbutton operation, switching, dimming etc. are predefined by programming of the **e2i**-controller (e.g. Gira Smart-Sensor).

The detailed scope of functions is described in the product documentation for these products.

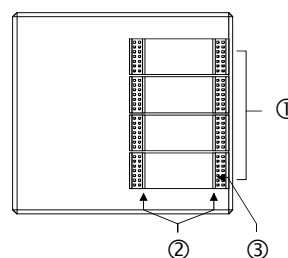
The **e2i**-bus coupler is the interface between an **e2i**-system and the user module.

Important:

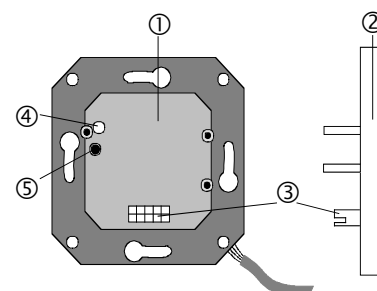
e2i-touch sensors can only be used on e2i-bus couplers (FIG. B (1)); identified by the 4-pole e2i-bus terminal).

The touch sensors cannot be used on EIB bus couplers, radio-control wall transmitter inserts or Powernet network couplers.

A



B



Fitting of the bus coupler

The **e2i**-bus coupler is connected to the **e2i**-system by means of the terminal clamp supplied and installed in a standard 60-mm UP flush-mounting box.

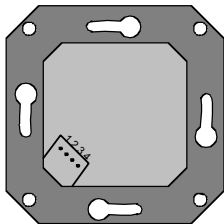
Mounting position see FIG. A.

Connect the **e2i**-bus line in compliance with FIG. C and the table below:

Contact assignment of the 4-pole **e2i**-bus terminal

- | | |
|----------------------|--------|
| 1. 24V | red |
| 2. e2i -Data | yellow |
| 3. e2i -Clock | white |
| 4. GND | black |

C



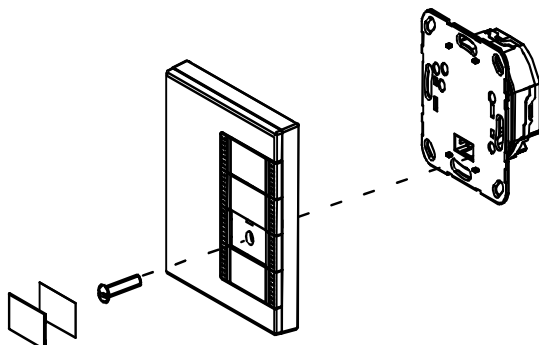
Fitting of the touch sensor (FIG. B)

When the touch sensor (1) is plugged onto an **e2i**-bus coupler (2), the two devices are connected via the 10-pole interface connector (3).

The device is protected against removal by fastening screw (FIG. D).

Remove the cover over the inscription fields carefully with a screwdriver or your fingernail as shown in FIG. E.

D



230V and extra low voltage under the same cover:

Common covers for devices with 230V and devices with extra low voltage are legal, if live parts cannot be accidentally touched with the standard test finger after removal of the cover.

Transmission of the unique ID

By pressing the service button (FIG. B, (4)), a non-parameterized **e2i**-bus coupler transmits the unique ID to the **e2i**-controller (e.g. Gira SmartSensor).

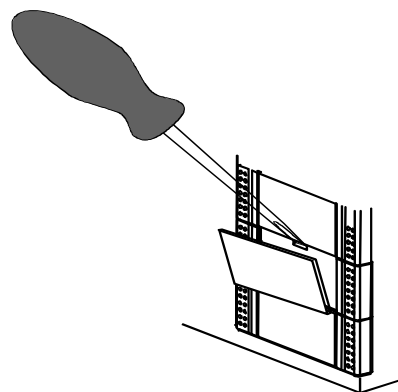
The actual status of the **e2i**-bus coupler is signalled by means of the service LED (FIG. B, (5)).

The unique ID is being transmitted only if the service LED is flashing slowly.

A ready-to-operate **e2i**-controller stores the received unique ID and switches off the service LED thereafter.

After programming, the **e2i**-controller transmits the corresponding parametrization data to the existing **e2i**-bus couplers.

E



Technical specifications

Power supply:	24V DC (+/- 6 V) from e2i -controller	Ambient temperature:	-5 °C ... +45 °C
Max. power consumption incl. user module		Storage/transport temp.:	-25 °C ... +70 °C
- e2i -touch sensor, 1-channel:	4 mA	Type of protection:	IP 20
- e2i -touch sensor, 2-channel:	6 mA	Safety class:	III
- e2i -touch sensor, 4-channel:	8 mA	Mounting depth:	32 mm suitable for 60-mm flush-mount- ing box
Max. length of e2i -bus line:	50 m		
Type of e2i -bus line:	J-Y(St)Y 2x2x0.6 or J-Y(St)Y 2x2x0.8		
Connections			
supply / bus:	4-pole terminal		
user module:	2 x 5-pole socket connector		

Acceptance of guarantee

We accept the guarantee in accordance with the corresponding legal provisions.

Please return the unit postage paid to our central service department giving a brief description of the fault:

Gira
Giersiepen GmbH & Co. KG
Service Center
Dahlienstrasse 12
D-42477 Radevormwald



The CE sign is a free trade sign addressed exclusively to the authorities and does not include any warranty of any properties.

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