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Push button sensor 2plus,  
2-gang with inscription space

#### F100

cream white glossy	2052 111	1/5	06
pure white glossy	2052 112	1/5	06

The push button sensor 2plus combines the functions of a push button sensor, 2-gang and a controller. It can be updated for subsequent function expansion via a flash controller.

The controller function provides single-room temperature control. The controller detects the current room temperature with an internal or external temperature sensor and computes an adjustment size using it and an adjustable setpoint temperature. Valve drives can be controlled with a constant adjustment signal or with a switching adjustment signal here. The controller is operated with the buttons to the left and right of the display (rocker 1). The operating mode (night, standby or comfort mode), setpoint temperatures and the contrast can be changed with this. The display indicates the operating mode, blocking of the controller or room/outside temperature or the time of day (clock required).

The two other rockers are available for the functions of the push button sensor. Each rocker/button can be programmed separately. With decentralised switching of the operating mode or presence button at the device, we recommend reserving a button for the function.

Programming occurs with the push button sensor 2plus software in conjunction with the ETS 2 **from version 1.2a**.

Disassembly safeguard implemented via its being screwed down.

Neutral inscription labels included.

**Product family:** Push button

**Product type:** Push button, 2-gang

The push button sensor is attached to a flush-mounted bus coupler.

The following software variants are to be programmed with ETS 2 from **Version 1.2a**:

- Status indication via 4 blue LEDs possible
- Alarm message after removal of the flush-mounted bus interface (1 bit/1 byte telegram)
- Display of outdoor temperature, room temperature, setpoint temperature or time, or automatic changing between room/outdoor temperature and time can be configured
- Free assignment of the functions switching/pressing, dimming, blind, value transmitter/light scene auxiliary unit, room temperature controller operation to the 4 buttons or 2 rockers
- Blocker for blocking individual buttons or rockers
- Switching/pressing function (ON, OFF, SW, no function)
- Dimming with stop telegram and telegram repetition possible
- Single-surface operation for rocker functions (switching/pressing, dimming) possible
- Blind press function (UP/DOWN) and operating concept (STEP - MOVE - STEP or MOVE - STEP) can be set
- Press functions of value transmitter EIS 6 (1 byte) or light scene execution with/without memory function
- Analogue value transmitter (EIS 5 or EIS 10), value adjustment possible by pressing and holding button
- Universal value transmitter EIS 6 for continuous run-through of a value range
- 8 independent light scenes, and eight different commands can be transferred for each scene
- Operating modes: heating, cooling or heating and cooling
- Operating mode switchover via a 1 byte value object
- Forced setting of the operating mode via a 1 byte value object
- Controller can be de-activated (dew-point operation) or controller or operation of the controller can be blocked
- Automatic frost protection (detection of sudden drop in temperature) for use without window contact
- Valve protection function (valve is opened cyclically every 24 hours)
- Control types: Continuous PI control, switching PI control (PWM) and switching 2-point control (on/off)
- Extended control functions: Basic and additional heating, basic and additional cooling, basic and additional heating/cooling, 2 control circuits

- Presence button for comfort extension can be configured
- Temperature detection via an internal and/or external sensor (average value calculation for large areas)
- Heating week-based time switch with 28 memories for time-dependent operating mode switchover
- Time or temperature-dependent triggering of 2 independent control functions
- Correcting variable objects can be inverted if necessary
- Message objects for heating and cooling
- Object for controller status
- Preset control parameters for common radiators/cooling units
- Separate window contact object with/without time delay
- Illuminated, easy-to-read display (illumination can be switched off)

Two large-area inscription spaces (15.8 x 67 mm). Can be lit in accordance with the workplace ordinance.

Temperature range: -5 °C to +45 °C

Protection type: IP 20

Connection: 2 x 5-pole plug connector

**Inscription sheets 2874 .. → Page 209.**

**Instabus bus coupler 0570 00 → Page 350.**