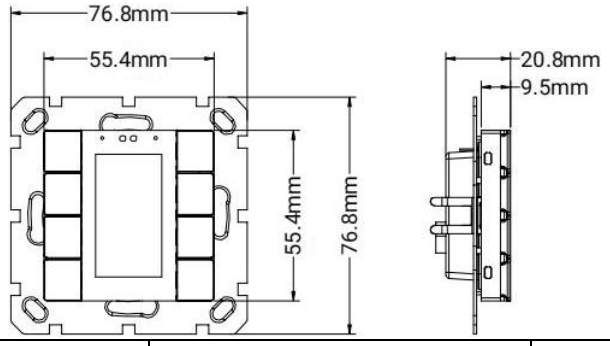
K-BUS®

Technical Sheet For
Push Button Sensor with Display, 3-gang,55mm
Push Button Sensor with Display, 4-gang,55mm

CHPBD-06/55.1.00
CHPBD-06/55.1.01
CHPBD-08/55.1.00
CHPBD-08/55.1.01

The worldwide STANDARD for home and building control



Model	Dimension	Weight
CHPBD-06/55.1.00 CHPBD-06/55.1.01 CHPBD-08/55.1.00 CHPBD-08/55.1.01	70.8 x 70.8 x20.8 mm (80 mm wring box) 76.8 x 76.8 x 20.8 mm (86 mm wring box)	0.06kg

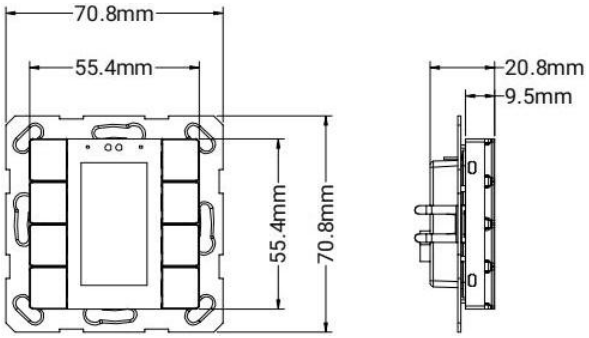
CHARACTERISTICS

- Push button sensor: select individual or rocker button, support disable function and flashing function
- Individual button support Switch, Dimming, RGB, RGBW, Colour temperature control, Value sender, Scene, Blind, Shift register, Multiple operation, Delay mode
- Rocker button only support Switch, Dimming, Scene, Blind, Setpoint adjustment
- Slap function, support Switch and Scene
- Display the function and status of buttons,optional with icon,text,status value etc.
- Panel lock, Proximity sense, Screen saver, Alarm function
- Built-in temperature / humidity sensor
- Room temperature controller, support heating, cooling control modes, and HVAC modes, with 2-pipes or 4pipes system, Temperature logic algorithm supports 2-point and PI control, and Fan auto.control
- Support 2 external input interfaces, used as dry contact detection or NTC temperature detection
- Support 8 Scene Group functions, and 8 outputs for per Scene Group
- Support 8 Logic functions, with AND, OR, XOR, Gate forwarding, Threshold comparator, Format convert, Gate function, Delay function and Staircase lighting

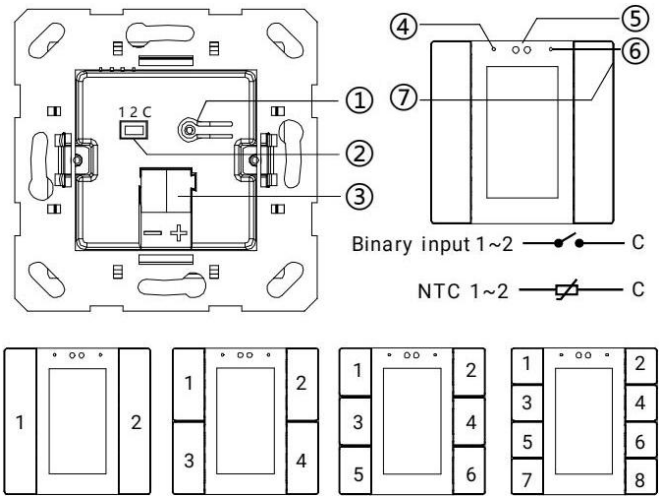
PARAMETERS

Power Supply	Bus voltage	21-30V DC, via the KNX bus
	Bus current	<23mA/24V; <18.5mA/30V
	Bus consumption	<0.55W
Input	2 external inputs, as dry contact input or 10K NTC input	
Connection	KNX	Bus connection terminal
	Input	A three-wires connection terminal, cable length <5m
Operation and display	Programming button and red LED	For assigning the physical address
	Orientation LED	Light on when screen off, to indicate device location
Proximity sensor	Normal ≈ 15cm; Enhanced ≈ 30cm	
Temperature	Operation	– 5 °C ... + 45 °C
	Storage	– 25 °C ... + 55 °C
	Transport	– 25 °C ... + 70 °C
Environment	Humidity	<93%, except dewing
Mounting	European 80 type wall-mounted box or 86 type wall-mounted box	

DIMENSIONS



DESCRIPTIONS



① Programming button and LED ② Input terminals
③ KNX bus connection terminal ④ Orientation LED ⑤ Proximity sensor
⑥ Programming LED ⑦ Internal temperature / humidity sensor

Reset the device to the factory configuration: press the programming button and hold for 4 seconds then release, repeat the operation for 4 times, and the interval between each operation is less than 3 seconds

Note: the model should be assembled with the accessory (CHKAM-0x/55.1.0y or CHKAG-0x/55.1.0y) as a complete panel unit.

INSTALLATION FIGURE

Push Button Sensor with Display can be installed in an European 80 type wall-mounted box or 86 type wall-mounted box. It requires only KNX bus powered. It is available to assign the physical address and set the parameters by Engineering design tools ETS with .knxprod (higher than edition ETS5). Must ensure that the device operation, testing, detecting, maintenance correctly.

Push Button Sensor with Display should be installed approximately 120~140cm above the floor and 15~20cm from the door frame.

Device should not be installed near a radiator or behind curtains

Device must not be exposed to direct contact with liquids.

Device regulation will also be affected by exposure to heat from electrical appliances and direct sunlight on the Thermostat.

IMPOFORMATION

Installation and commissioning of the device may only be carried out by trained electricians. The relevant standards, directives, regulations and instructions must be observed when planning and implementing the electrical installation.

●Protect the device against moisture, dirt and damage during transport, storage and operation!

●Do not operate the device outside the specified technical data (e.g. temperature range)!

Should the device become soiled, it may be cleaned with a dry cloth. If this does not suffice, a cloth lightly moistened with soap solution may be used. On no account should caustic agents or solvents be used.

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