



### Main

For System M.

The device is a room temperature control unit and a binary input. Depending on the operating mode, the current temperature setpoint value and the room temperature, a control value for the heating or cooling control unit is transmitted to the KNX. The temperature can either be recorded by the internal or the external temperature sensor which must be connected to the push-button interface.

The push-button interface generates an internal signal voltage for connecting max. four conventional push-buttons or floating contacts. Of these, two inputs can be used to connect low current LEDs.

### Complementary

With integrated bus coupler. The bus is connected using a bus connecting terminal.

#### KNX software functions:

##### Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs

Operating modes: comfort, comfort extension, standby, night economy, frost/heat protection

Operation: Setpoint adjustment can be parameterised in the range with adjusting wheel; presence push-button functions can be parameterised/switched off

Valve protection, controller disable

##### Push-button interface functions:

Switching, dimming, external blinds, valuator (dimming valuator, extension unit for light scenes with/without memory function, temperature valuator, brightness valuator).

**Push-button interface:** up to 4 inputs, 2 of which can be used as outputs and one for connecting the remote sensor.

**Output voltage:** 5 V (SELV)

**Output current:** max. 0.8 mA

**Max. cable length:** Inputs/outputs max. 5 m, remote sensor max. 50 m

**Accessories:** Remote sensor for KNX room temperature control unit, UP/PI art. no. MTN616790.

Material : Thermoplastic classy matt

Colour: anthracite