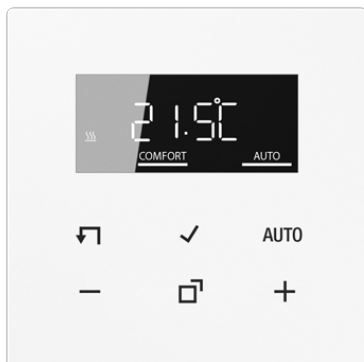# Product data sheet

JUNG HOME room thermostat display

Reference number
BT LS 1791 WW

JUNG HOME room thermostat display

for room thermostat insert ref.-no.: 1790 RTR
for switch inserts ref.-no.: 1701 SE, 1701 PSE, 1704 ESE
for satellite insert 3-wire, power supply ref.-no.: 1723 NE
available April 2023

Intended use

- Manual and time-controlled regulation of the room temperature
- Wireless linking with JUNG HOME system devices
- Operation with system insert for room temperature control
- Operation with system insert for switching or satellite insert 3-wire

Product characteristics

- Commissioning and operation using JUNG HOME app with mobile device (smartphone or tablet) via Bluetooth®
- Up to 16 time programs for automatic heating
- Simple activation and deactivation of individual time programs using the JUNG HOME app
- Activate/deactivate automatic operation using JUNG HOME app or local operation
- Automatic summer/winter time changeover
- Automatic date and time update when connecting with smartphone
- Setting a comfort, ECO, cooling and frost protection temperature
- Minimum and maximum temperature values adjustable
- Boost function: Quick heat-up for max. 5 minutes
- Illuminated segment display for easy reading
- Disabling of local operation
- Local actuator integrated into groups, central functions and light scenes
- Optimised heating up (temperature is reached at the set time), can be switched off
- Adaptation to valves (normally open or normally closed)
- Supports internal and external temperature sensor
- Temperature drop detection (call-up of frost protection temperature when window is open)
- Offset adjustment (correction value for measured temperature)
- Controller output working method: pulse width modulation (PWM) or two-point
- Valve protection function (once a week opening and closing of valve, on Saturdays at 11 a.m.)
- Interrupts the heating process after 60 minutes for 5 minutes
- Display switch-off after 2 minutes or continuous display possible
- On a satellite insert 3-wire, the device works as an external temperature sensor

Available in future via update:
(Notes on updates and schedules can be found at www.jung.de/JUNGHOME)

- Holiday program reduces heating costs during absence and heats up the room again before return
- Time programs with sunrise or sunset (astro function)

Technical data

Ambient temperature:	–5 ... +45 °C

Stora/transport temperature:	−20 ... +70 °C
Accuracy per month:	± 10 s
Power reserve:	min. 4 h
Radio frequency:	2402.0 ... 2480.0 MHz
Transmitting power:	max. 10 mW (class 1.5)
Transmission range	
in buildings:	approx. 30 m
Regulator class (EU 811/2013):	IV
Contribution to energy efficiency:	2 %

Colour:
white

Material:
glass

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