80440100

IP21 IK04

KNX thermostat, colourdisplay, intg bus coupling unit, KNX

Technical characteristics

Architecture

Fixing mode	flush-mounting

Functions

Easy link functions	switching of scenes (1..8) possible ; operating mode heating, cooling or heating/cooling can be selected ; switching PI-control (PWM) or switching 2-point control can be selected ; heating type warm water heating, warm water underfloor heating, electric heating, electric underfloor heating or split unit can be selected ; cooling type cooling ceiling, convector fan or split unit can be selected ; comfort, standby, night-time reduction, frost/heat protection operating mode switchable via scene
Function	with keylock ; with holiday switching ; with frost protection function
Function	operating modes heating, cooling, heating/cooling or background heating and additional heating/cooling can be selected ; control modes switching PI-control (PWM), continuous PI control or switching 2-point control can be selected ; heating types warm water heating, warm water underfloor heating, electric heating, electric underfloor heating, split unit or adjustable via object

Controls and indicators

Operation	Operation via sensitive Touch control surface
Indication / display	display of set or actual temperature ; Screen saver ; LC display with symbol display ; Time and date display ; to display and initiate actions

Voltage

Auxiliary voltage	24 V DC
Operating voltage over bus	21...32 V DC

Electric current

Current consumption (operation)	25 mA
Bus current consumption (data transfer)	max. 10 mA

Dimensions

Insertion depth	32 mm
Dimensions of display (W x H)	38.28 x 30.26 mm
Width of rail mounted device (RMD)	0 modules
Width	71 mm

Screen

TFT screen size	1.93 ″

Materials

RAL colour	RAL 9005 - Jet black
Material	thermoplastic

Installation, mounting

Installation mode	with spreader claws ; for flush-mounted and hollow-wall mounting ; for single mounting ; for vertical mounting

Connection

Bus coupling unit	with integral bus coupling unit
Bus connection	bus connection via connecting terminal
Connection	with additional connection for external floor temperature sensor/remote sensor

Settings

Supported configuration modes	system, easy
Time	with automatic summer/winter time change-over

Equipment

Heating	for heating and/or cooling mode ; heating or cooling possible in 2 stages
Control	for individual single room temperature control ; control parameter for heating / cooling unit pre-set

Use

Differentiation characteristic 2 - Sales	with colour display
Differentiation characteristic 3 - Sales	integrated bus coupling unit

Safety

Protection index IP	IP21

Use conditions

Operating temperature	-5…45 °C
Storage/transport temperature	-20…70 °C (storage at > 45°C reduces the service life)
Temperature	comfort, standard and night temperature ; temperature measurement via internal and/or connectable temperature sensor with average determination ; additional connection for external temperature sensor
Energy efficiency class	IV (2%)

Identification

Application, usage	KNX - operating systems
Product family	Product family: heating, ventilation, air conditioning
Composition	basis element
Main design line	KNX