Regulation e-TALK 4.0

MMI Touch e-TALK 4.0

Range of application:

▶ Regulation

▶ Heating and Cooling

▶ Residential, industrial and hotel buildings

▶ New construction and refurbishment

▶ Efficient interaction of all integrated components in the system through an intelligent control

▶ Can be used as a heating or cooling regulation in all possible applications

▶ Intelligent control technology for an intelligent system

▶ Ideal for heating and cooling systems optimization

▶ Extensible through universal BUS connection

▶ With remote control and alarm messages

▶ Automatic regulation and easy to use

▶ Designed for heating and cooling

▶ Seven languages available

▶ Energy saving

Intelligent
regulation

MMI Touch

Technical data

Nominal supply voltage	24 V DC (via system BUS)
Max.power consumption	8,1 W
Power consumption un standby	about 1,6 W
Display	4,3" TFT, 16,7 million colors (True Color), LED backlight, 480
Touchscreen	Yes, resistive
Overvoltage category	II
Protection class	III according to EN 61131-2
Protection	IP 30 for wall mounting with housing base
Actuating power	IP 54 when installed in a mounting plate with gasket (*)

*) If there is no gasket, then the protection is of IP 40

Environmental conditions

Operating temperature	+0 °C bis +40 °C
Storage temperature	-15 °C bis +60 °C
Relative humidity	10 % bis 95 % (non-condensing)

Calculation core

Processor	Atmel AT91SAM9G45
Flash (NAND)	256 MB
R.A.M.	128 MB DDR2

Interfaces

Ethernet	1
Data transmission rate	10/100 MBit
Range	Max. 50 m with the specified cable

2USB	USB 2.0 high speed.

System BUS	1
Type	RS-485-A
Data transmission rate	115 kBit/s temperature sensor KTY:

Other connection options	Nominal reistance 2000 Ω
Temperature measurement range	-10 °C bis +45 °C

Dimensions, weight

Height	105 mm
Width	155 mm
Depth	32 mm
Weight	ca. 270 g

Product no.	2200 0173

Accesories:

EnergyManagementMaster e-TALK 4.0	Product no.
Master regulation for controlling ▶ the loading pumps and the switching valves ▶ the heating and cooling circuits ▶ the switching between heating and cooling tank ▶ the domestic hot water load ▶ the circulation control	2200 0166

e-TALK 4.0 SCPU	Product no.
The SCPU e-TALK 4.0 control allows to manage up to 6 levels of solar charge. Supporting features include differential, thermostat and loading pumps Feasible examples: Target temperature-control discharge of up to 6 temperature levels such as TABS, domestic hot water, geothermal heat exchanger or boreholes, other energy consumers, thermostat function for swimming pool, defrost function for an optimal winter operation. A SCPU e-TALK 4.0 control can be connected to a BUS network via the RS-485 interface. This optimizes the interaction between the heat pump and the solar system. All controllers in the BUS network are parameterized and queried via an MMI touch panel.	2200 0171

e-TALK 4.0 HeatingCoolingModule	Product no.
For controlling 3 heating/cooling circuits, both direct with mixer. 2 heating/cooling circuits mith modulating pump 1 heating/cooling circuit with pump ON/OFF	2200 0170

Remote control for e-TALK 4.0	Product no.
Digital version heat pumps with … ▶ 2 rows of LEDs to indicate the operation mode ▶ IP 30 plastic housing ▶ Temperature sensor ▶ Humidity sensor ▶ RS-485 system BUS ▶ includes material for fixing	2200 0174

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FOR TODAY AND TOMORROW

Integrated Energy Solutions

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