

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
- ldeal 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



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 | | |

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

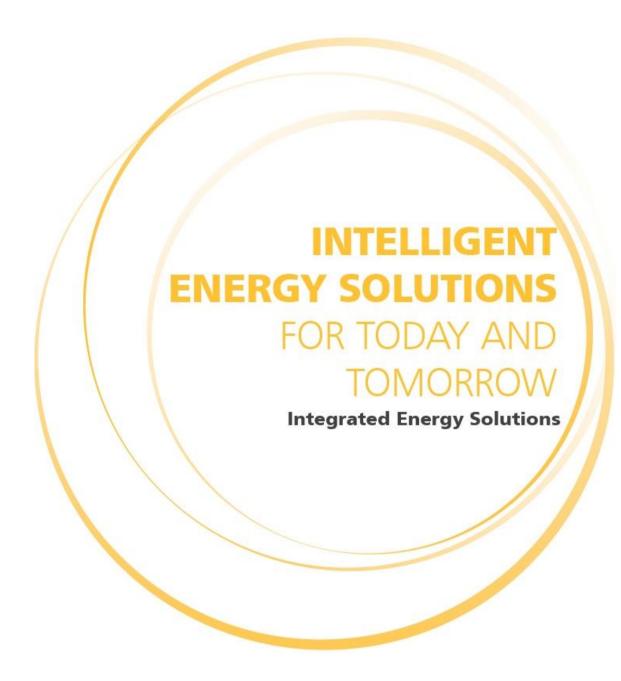
| Other connection options | Nominal reistance 2000 Ω | | |
|-------------------------------|--------------------------|--|--|
| Temperature measurement range | -10 °C bis +45 °C | | |

Dimensions, weight

| Height Width | 105 mm |
|-----------------|-----------|
| Width | 155 mm |
| Depth | 32 mm |
| Weight | ca. 270 g |
| | • |
| Product no | 2200 0173 |

Accesories:

| | EnergyManagementMaster e-TALK 4.0 | Product no. |
|--|---|-------------|
| e-TALK 4.0 EnergyManagementMaster and the contract of the con | 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. |
| e-TALK 4.0 scpu | 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. |
| e-TALK 4.0 HeatingCoolingModule | 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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| Your dealer | | | |
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