HOME.COM4 WITH RS485

HARVIA
Sauna & Spa

Description

home.com4 BLACK RS485   1-052-984 / HC4-B-RS485

POWER VALUES:
- Heating system: 10,5 kW
- Evaporator: 3,5 kW
- Additional output: 500 W (dimmable)
- Light and fan: 100 W (switchable)

OPERATION:
- 2,4" high-resolution color display
- Intuitive turn&push user menu
- 13 menu languages: DE/EN/SV/FR/SL/ES/ET/FI/IT/NL/PL/CS
- Full usability via MySentio App

MAIN FUNCTIONS
- Single or dual sensor system (Bench- or humidity sensor - must be ordered separately)
- Intelligent PI control of the temperature
- Real-time-clock with weekday setting
- Minute-after-minute setable heating time limiter with maximum values of 6 / 12 / 18 / 24 h
- Adjustable preset timer aavailable to 6/ 12 / 18 / 24 h
- Phase rolling for extenting the service life of the relays
- Standard compliant remote start via potential-free contact (permanent contact)
- Remote start of 2 different user profiles
- Input for safety shut-down device
- Eco-Mode (efficient sauna breaks)
- Limitable maximum temperature
- Power extension outputs

EVAPORATOR
- Operation with real humidity sensor or clocked (sensor must be ordered seperately)
- Post-drying program with fan
- Humidity indicator (only with humidity sensor)
- Activatable single-operation-mode
- Optical and acoustical water level alarm
- Menu item can be completely hidden

ADDITIONAL OUTPUT
- Up to 500 W dimmable or 3500 W switchable, e.g. for Infrared heaters or IR heating plates
- Foil sensor input (for using IR heating plates)

WEEKLY TIMER
- Fully automated operation with 14 programs
- Daily adjustable (Mo-Su)
- Direct start of user profiles

MUSIC
- Bluetooth 4.0 with a range up to 30 m
- Music-Player controlable via user menu
- Integrated amplifier (2 x 2,8 W @ 4 Ohm)

DMX COLORLIGHT
- 4 light groups individually controlable
- Gradients, time, brightness and transition time individuallly adjustable
- Supports all common DMX-512-A devices

EXTRA FUNCTIONS
- Childlock avoids unintentional heating
- Technical menu with a wide range of settings

HOME.COM4 WITH RS485

Specifications:

- Dimensions: 210 x 294 x 53 mm
- Class of protection: IPX4 (splash proof)
- Nominal voltage: 400 V AC, 50 Hz

ENVIRONMENTAL:

- Temperature: –10° C to +40° C
- Humidity: max. 95%, not condensing

MySentio APP

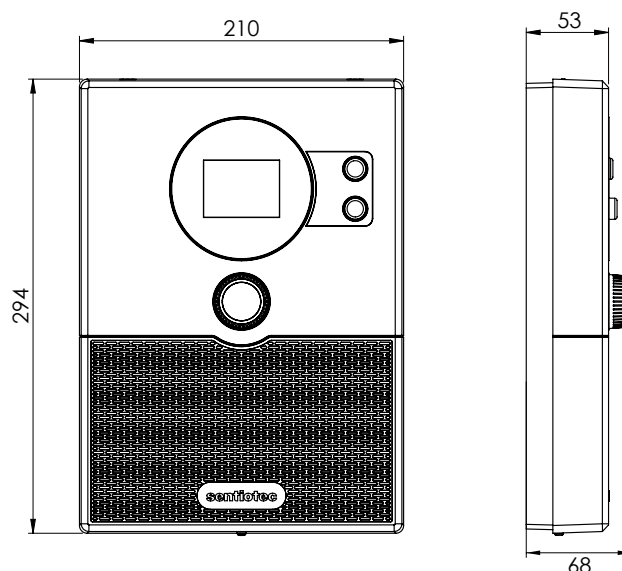Using the sauna control conveniently via smartphone or tablet? – No problem with **home.com4**!

Just download the free **MySentio app** and connect it to your **home.com4** sauna control – Done!

GET IT ON Google Play

Available on the App Store

You do not have a **home.com4** sauna control yet? Simply download the app and start the *Demoversion*.

DMX Colorlight:

DMX (Digital–Multiplex) is a common digital control protocol used to control color lights and effects. Theoretically, an infinite number of devices (DMX drivers) can be connected and operated on this BUS.

The following DMX protocols are supported:

- RGBW 8 Bit
- RGBW 16 Bit
- Hue-Value-Saturation 8 Bit (e.g. COLLAXX)
- Hue-Saturation-Value 8 Bit

Additional synchronizing–function for wireless DMX devices.

Connecting cables:

- Supply line: min. 5 x 2,5 mm²
- Heater supply line (temp. resistant up to 150 °C): min. 2,5 mm²
- Sensor leads (temp. resistant up to 150 °C): min. 0,5 mm²
- Light: min. 1,5 mm²
- Fan: min. 1,5 mm²

Optional accessories:

- Benchsensor (1-009-231 / 0-F2), sensor leads 1,5m
- Humidity-temperature sensor (1-010-081 / 0-FTS2), sensor leads 3m
- Foil sensor (1-014-445 / P-ISX-FF), sensor leads 3m
- Power extension (1-008-779 / 0-S2-18, 1-009-280 / 0-S2-30)
- Safety shutdown (SFE-xxxx)
- Wooden case for all sensors (bright wood F1/F2 1-041-518 / SC-F1F2-H or dark wood F1/F2 1-041-519 / SC-F1F2-D, Humidity- temperature sensor 0-FTS2 bright 1-041-520 / SC-FTS2-H or dark 1-041-521 / SC-FTS2-D)

HOME.COM4 WITH RS485

HARVIA
Sauna & Spa

Connection plan basic-module:

Wm W U V1 V N N N L3 L2 L1   N LI   N FA

EVAPORATOR

N V1 WM PE

HEATING SYSTEM

U V W N PE

POWER SUPPLY

L1
L2
L3
N
PE
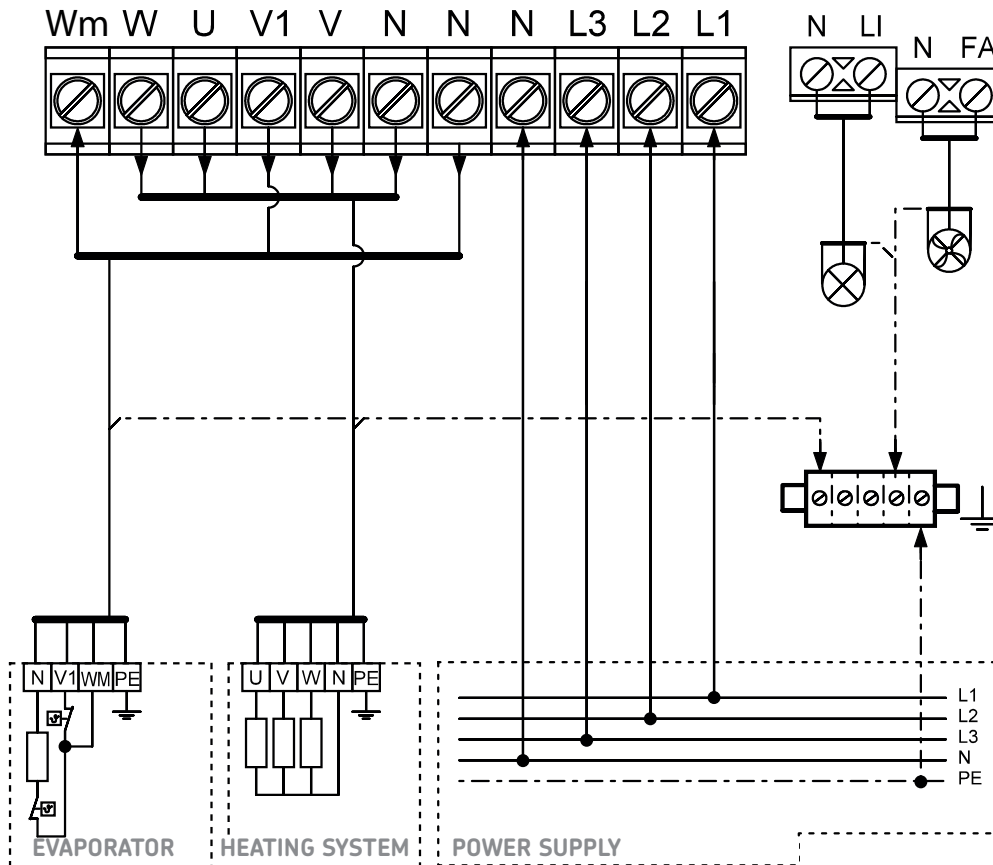
TERMINAL ASSIGNMENT

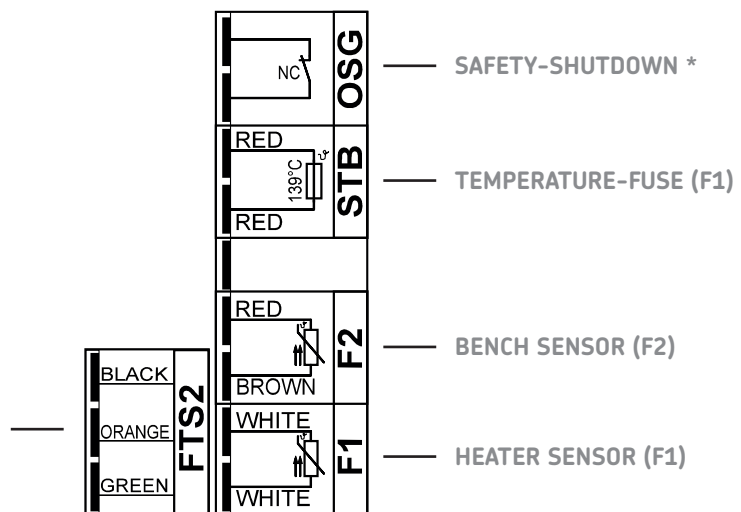|	
Wm	Water deficit
W	Heater phase W
U	Heater phase U
V1	Evaporator phase
V	Heater phase V
N	Neutral
L3	Supply L3
L2	Supply L2
L1	Supply L1
LI	Phase light
FA	Phase fan

Recommended fusing:
3 x 20 A (CAT III)
RCD: 30 mA

Connection plan sensors:

SENSOR LEADS:

- Min. cross-section: 0,5 mm²
- Temperature resistant: 150° C
- Length may not exceed 10 m

OSG NC — **SAFETY-SHUTDOWN ***

STB RED 139°C RED — **TEMPERATURE-FUSE (F1)**

F2 RED BROWN — **BENCH SENSOR (F2)**

FTS2 BLACK ORANGE GREEN

HUMIDITY-TEMPERATURE SENSOR (FTS2)

F1 WHITE WHITE — **HEATER SENSOR (F1)**

* If no safety shut-off is installed, a jumper must be fitted at this terminal.

EN 60335-2-53 states that sauna control units with a remote start or preset timer function may only be used for operating and regulating a sauna heater which has satisfied the combustion test described in paragraph 19.101. Alternatively, a suitable safety shut-off device can be installed in or above the heater. This shuts the sauna heater off when objects, e.g. a towel, are placed on the sauna heater.

HOME.COM4 WITH RS485

HARVIA
Sauna & Spa

Connection plan extension-module:

■ The power supply comes directly from basic–module

DMX–DRIVERS

GND
+Dat DMX512
-Dat

GND
+Dat DMX512
-Dat

GND DMXA +
FOIL SENSOR KTY81-210 DMXB -
RS2 RS- OUT OUT
RS1 RS+ OUT OUT
24VDC LS- OUT OUT
LS+ OUT OUT

OPTIONAL: FOIL SENSOR (FF)

REMOTE START 2 (RS2)
REMOTE START 1 (RS1)

BELOW ABOVE

SPEAKERS

Recommended speakers :
Rated power: 20 W
Exciter:
WC4–BT–EXC / 1–017–094
Inwallspeaker:
WC4–BT–SPK / 1–017–091

to ground rail (PE)

N AUX
N

ST1 ST2
N N

ST
AO

INFRARED HEATER
INFRARED HEATING PLATES
OTHERS (e.g. Light)

Dimming up to 500 W
Switching up to 3500 W

POWER EXTENSION

L1 L2 L3 N PE

ST1 K1
ST2
ST3 K2

U2 V2 W2 N PE

S2–18 / 1–008–779
Switching capacity 9 kW
S2–30 / 1–009–280
Switching capacity 21 kW

ST1 Safety circle (230VAC)
ST2 Steering circle (230VAC)
ST3 Neutral