

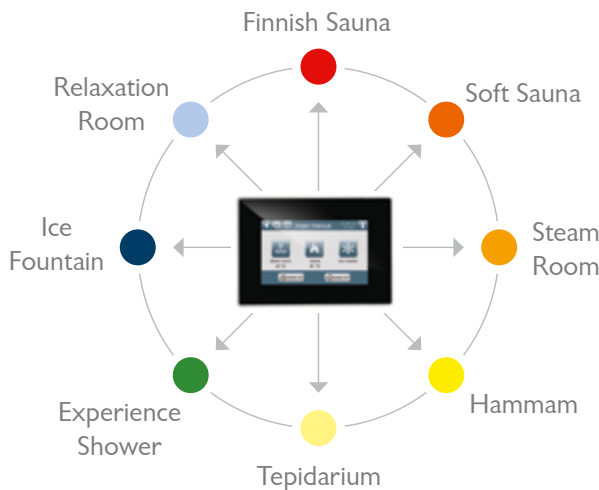
# CENTRAL CONTROL SYSTEMS FOR WELLNESS AREAS

## FUNCTION DESCRIPTION

Systems for the central control of all cabinets (saunas, steam rooms etc.), their components (sauna heaters, steam generators, fragrance dosing, illuminations etc.) and parameters (temperature, humidity etc.) of a Wellness area from one central display. The central control systems are planned and produced project-based. Therefore the systems can be adapted individually to the requirements of a project. For the operation and visualisation we use clearly designed and intuitively arranged touch screens from 4,3" to 10". They can be programmed in several languages. Furthermore measured values, current operational status and alarms can be displayed with each browser driven device such as a PC, smartphone or tablet.



Touch Display, 4,3", 64000 colours



**The possible number of cabinets that can be controlled and the possibilities to combine them are nearly unlimited.**

### SCOPE OF DELIVERY (according to the configuration of the central control)

- SPS controller (Wago or Mitsubishi)
- Metal control cabinet (size according to the number of connected components)
- Temperature sensors PT1000 / humidity sensors / safety temperature limiters STL (quantity and characteristic according to the configuration of the control system)
- Touch Display: 4,3", 7" or 10" installed in control cabinet or for in-wall mounting
- As the case may be box for in-wall mounting of the Touch Display
- BUS cable for the connection controller - touch

### ACCESSORIES / OPTIONS

- Interfaces: ModBUS / KNX / BacNet etc.
- Module for the remote maintenance by WDT via Internet
- Touch Screens bigger than 10"

**The following exemplary specification describes a central control system for four cabinets:**

#### Finnish Sauna:

- Sauna heater - temperature controlled + STL
- Sauna splash system SAUNA-Plus
- Exhaust fan
- Illumination circuits (ceiling / under bench) - 230 V on/off - dimmable 0 - 10 V
- Connection door switch

#### Soft Sauna:

- Sauna heater – temperature controlled + STL
- Steam generator or steamer integrated in heater - humidity controlled
- Fragrance pump DUFTDOS-0
- Exhaust fan
- Illumination circuits (ceiling / under bench) - 230 V on/off - dimmable 0 - 10 V
- Connection door switch

#### Steam Room:

- Steam generator - temperature controlled
- Fragrance pump DUFTDOS-0
- Exhaust- and supply fan
- Illumination circuits (ceiling / under bench) - 230 V on/off - dimmable 0 - 10 V
- Bench heating 230 V on/off - temperature controlled
- Connection door switch

#### Hammam:

- Steam generator - humidity controlled
- Fragrance pump DUFTDOS-0
- Exhaust- and supply fan
- Illumination circuits - e.g. RGBW - dimmable 0 - 10 V
- Bench- and wall heating 230 V on/off - temperature controlled
- Connection door switch