

SiOS CONTROL

Central system management, locally or remotely

Complete and intuitive

SiOS Control is the BMS (Building Management System) by Olimpia Splendid that allows simple management of the plant for heating, cooling, air treatment and domestic hot water. Through an intuitive graphical interface, that can be customised based on the characteristics of each environment, you can control individual system components: heat pumps, fan coil units, floor heating, towel warmers and HRV, from both the Olimpia Splendid range and other manufacturers*. For a truly complete control. Furthermore, with SiOS Control, you can even manage things remotely, through the web (Cloud) platform or a mobile application. Complete, intuitive and smart.



What can it manage?

Sherpa range of heat pumps or third-party generators*



Fan coil units range and floor heating Bi2



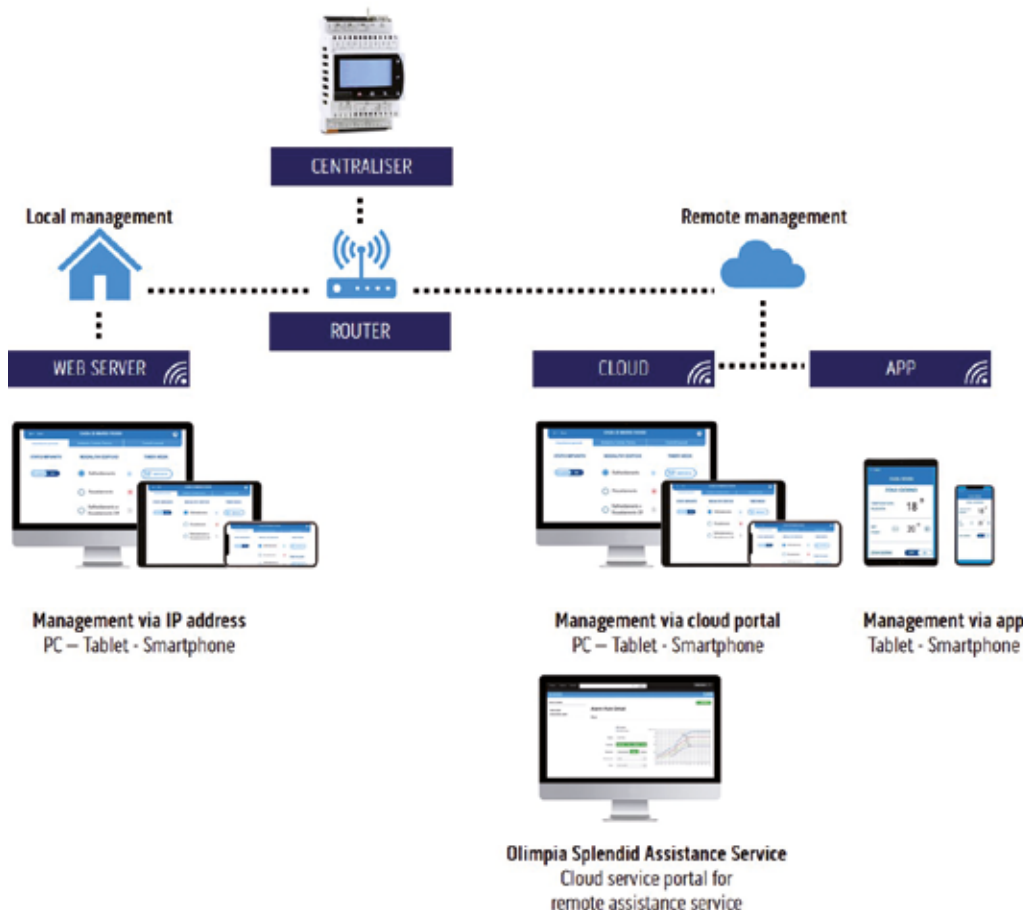
Sitali HRV range** or third-party HRV*



Towel warmers**



How does it work?



*Requires prior check for compatibility

** Opto-coupler card + relay with power supply required, check details on the technical manual for specific characteristics.

Type of control

DIRECT ZONE:

- up to 30 Bi2 fan coil units and relative controls (divided up to a maximum of 10 independent environments);
- 1 heat pump from among Sherpa S2/S3, Sherpa Aquadue S2/S3, Sherpa Tower S2/S3, Sherpa Aquadue Tower S2/S3 and Sherpa Monobloc S1/S2 E (or other third-party generators)*;
- up to 4 towel warmers, with relative thermostats**;
- 1 direct zone circulator output;
- 1 outdoor air temperature probe.

HVR:

- 1 group output for Sitali** (or other third-party HVR)*.

Simplified installation

Easy installation through a first guided configuration to be able to customise SiOS Control both to the characteristics of the plant and to those of the building in which it will be installed.



Customised environments

Possibility of creating customised environments in order to reproduce the layout of each individual building. Possibility of creating up to 10 total environments with fan coil units and radiant floor. Possibility of naming the environments and assigning dedicated icons to them.



Comfort management for every season

SiOS Control can manage cooling, heating, domestic hot water and air treatment. The intuitive graphic interface with icons changes colour based on the functions of the plant and whether or not the various environments are active or shut off.



Timer with scenarios

SiOS Control has weekly timers. It manages up to 4 timers and each individual timer can be set with 6 daily time ranges. For each time range there are 5 scenarios available. Economy, Comfort, Night are the pre-set scenarios, while the 2 Individual scenarios can be set directly by the user.



Heat pump temperature settings

With SiOS Control, the user can change the water set points of the heat pump and activate any climatic curves for summer and winter operation.



* Requires prior check for compatibility

** Opto-coupler card + relay with power supply required, check details on the technical manual for specific characteristics.
NOTE 1: The application for Tablets and Smartphones allows simplified management of the functions.

MANAGEMENT

Only local management

Connecting the B0858 central control unit to an Access Point by means of a network cable, it is possible to manage SiOS Control remotely in the local Wi-Fi, through PCs, Tablets, Smartphones and a common internet browser.



Remote management (also local)

Connecting the B0858 central control unit to an internet router by means of a network cable, it is possible to manage SiOS Control remotely through the cloud, through PCs, Tablets, Smartphones and a common internet browser. In addition, for a simplified remote management, the SiOS Control App is available that assumes the main functions.







The remote use requires a two-year subscription.

Remote assistance

The Olimpia Splendid Service Centre, through the Cloud, will be able to carry out assistance to the plant and its machines even remotely, for a faster and more efficient service in case of plant problems or alarms.



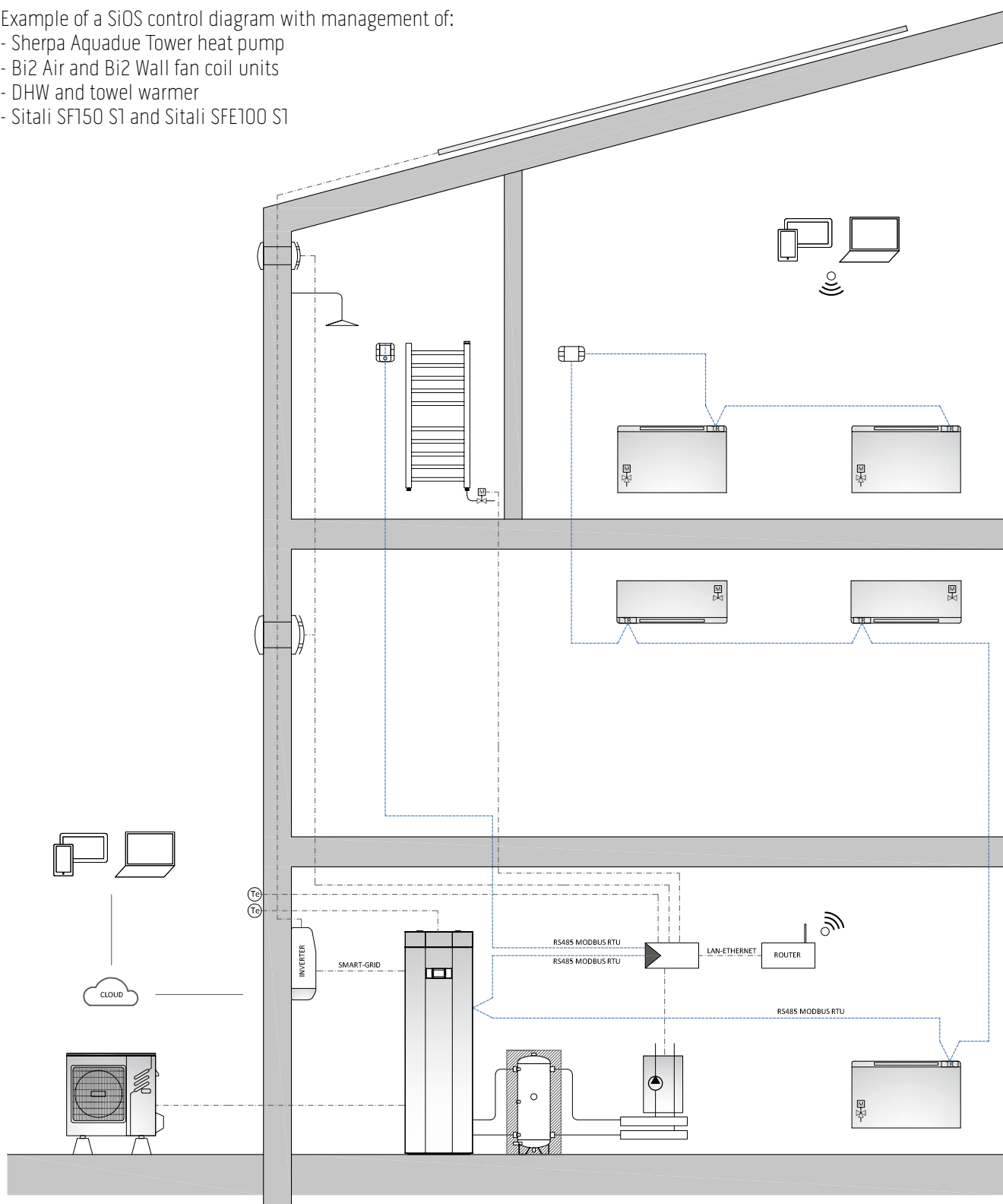
COMPONENTS

	CODE	DESCRIPTION
	B0858	Control centraliser The centraliser is the component necessary for all SiOS Control installations. It features a touch display, an output for the network cable and Modbus RTU 0-10V outputs, as well as relays for the various system components.
	B0860	Wall ambient T-H probe kit Wall thermostat necessary to control installations and/or environments with towel warmers. Shows the temperature and relative humidity.
	B0861	Built-in ambient T-H probe kit Built-in thermostat necessary to control installations and/or environments with towel warmers. Shows the temperature and relative humidity.
	B0863	RTU-ASCII fan coil signal converter kit RTU-ASCII converter required for those installations where there are direct water zones (Recommended to use one over 500 meters of communication line).
	B0623	Outdoor air temperature probe kit Shielded probe to measure the outdoor air temperature

The transformers required to power the individual devices, as indicated in the manuals and installation diagrams of SiOS Control, are not included in the Olimpia Splendid supply.

Example of a SiOS control diagram with management of:

- Sherpa Aquadue Tower heat pump
- Bi2 Air and Bi2 Wall fan coil units
- DHW and towel warmer
- Sitali SF150 S1 and Sitali SFE100 S1



Note: the diagram only has the purpose of illustrating the system, for all the characteristics and connections, refer to the relative installation manuals

Legend:

	B0858	CENTRAL SiOS CONTROL UNIT
	B0860	WALL MOUNTED ROOM PROBE KIT T-H
	B0861	BUILT-IN ROOM PROBE KIT T-H
	B0863	RTU-ASCII FANCOILS SIGNAL CONVERTER KIT
	B0623	OUTDOOR AIR TEMPERATURE PROBE KIT