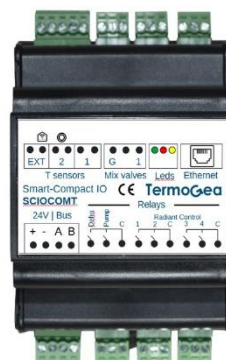


DATASHEET

SMART COMPACT IO (SCIOCOMT)

Central unit with integrated web-server

Remote control
via APP



The SMART COMPACT IO is a compact control unit with an integrated web server for remote control of systems via APP.

In the case of apartments within a centralized system, the SCIOCOMT, thanks to its innovative SW, communicates with the control unit that manages the condominium's heating plant, ensuring energy savings and a simple management of the entire system.

The device has a number of inputs and outputs to control various types of valves and machines: mixing valves, circulation pumps, heat pumps, boilers, mechanical ventilation, dehumidifiers, etc.

There are six "on/off" relays and two "0-10V" outputs as well as three inputs for PT1000 temperature sensors.

There is a standard Modbus RTU port (RS485) that is used to connect the room sensors or thermostats of the controlled zones via a single bus cable.

The SMART COMPACT IO control unit autonomously reads the temperature and humidity data from the connected sensors and thermostats and controls the outputs that activate the valves, pumps and machines according to predefined standard logics.

The SMART COMPACT IO can manage up to 4 zones on a hydraulic circuit by operating on the radiant heads directly with the relays on the control unit itself.

This flexibility, combined with the powerful cloud architecture, makes the Termogea system modular and scalable: from small apartments to large buildings with many offices or homes.

There is also a network connection via Ethernet port that allows the SMART COMPACT IO to communicate with the Termogea Cloud and to perform remote control via the Termogea smartphone application.

In addition to the Ethernet port, a Wi-Fi connection is also available for testing and inspection.

For remote maintenance and assistance, each individual input and output is accessible via the Cloud from a remote office or from a mobile device (smartphone/tablet).

The SMART COMPACT IO can be mounted on a DIN rail.

TECHNICAL SPECIFICATIONS

Product code (up to 4 zones)	SCIOCOMT
Power supply	24V d.c. o 24V a.c.
N° Relays	6
Analog outputs	1 (0V-10V)
N° of input probe sensors (PT1000)	2
Ethernet	10BaseT/100BaseT
WiFi	2.4GHz IEEE 802.11b/g/n
Relays limits	NO, 250V c.a./5A o 24V c.c./5A
Ambient functional limits	Temperatura -20...50°C
Storage	Temperatura -20...50°C
Mounting	Barra DIN
Communication protocol	Modbus RTU
Protection	IP20
Dimensions	4 moduli DIN
Dimensions	72 x 95 x 58mm