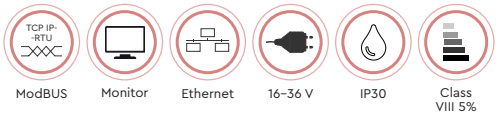
ICON 200

COMM. CODE	ORDER CODE
ICON200	ICC01



ICON200 DDC (Direct Digital Control) CONTROLLER freely programmable

- BMS functions
- Suitable for industrial and tertiary use
- ModBUS TCP/IP-RTU server
- Interoperability with third party systems

A DDC (Direct Digital Control) controller that's capable of managing numerous distinct circuits, reserving each one its own operating modes, operating calendar, and output commands.
The climatic regulation functions are obtained through both PID logic and fuzzy logic functionality. In addition to the adaptive functions for optimising comfort times, they also allow the user to monitor technical and technological systems, and have special modularity, configurability and expandability features that allow for simple and reliable system monitoring. They can be engineered with the FLOWER platform's integrated tools.
The ICON200 controller always has an RS485 port (typically used for expansion purposes, but also as a ModBUS port.) There are also terminals for a second RS485 port, which requires the insertion of a specific expansion card (I485200).

Expansion cards are available for Meterbus, Kamstrup, and I/O.

APPLICATIONS

- Remote monitoring
- HVAC/electrical monitoring
- Building Management System
- Lighting
- Water mains
- Temperature regulation

CERTIFICATIONS

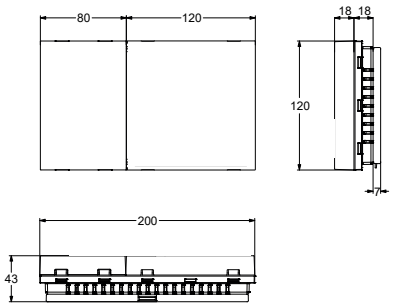
2006/95/EC, 2004/108/EC
EN61000·61:2007,
EN61000·6·2:2008,
EN61000·6-4:2008,
EN55024:2010·1

ACCESSORIES

RAL01, IGW02, INI01, INI02, INI03, INI04, INIOS, INI06, IREM10-30-50-60-70-80, IREMMBUS (I/O expansion modules)

BMS FUNCTIONS

The ICON200 controller is suitable for managing BMS structures equipped with interoperability with third-party devices and integration with scada systems through ModBUS RTU and over a TCP/IP protocol



TECHNICAL CHARACTERISTICS

GENERAL SPECIFICATIONS	- 32 Bit 100Mhz RISC processor; - System memory 16 Mbyte SDRAM; - 4 Mbytes FLASH memory; - 512Kbyte Static disk with lithium battery backed RAM; - RTC Date clock with lithium battery and automatic switching between standard and daylight savings time. RTC accuracy 10 ppm; - 4kbit EEPROM; - S.O. Multitasking, Real-Time; - 128×64 pixel LCD graphic display.
I/O	- 26 basic I/O points; - 8 Analogue inputs (0-5V, 0-10V, PT100, PT500, PT1000, PTC, NI1000, NTC1K, NTC10K, NTC20K); - 2 Analogue outputs (0-5V, 0-10V); - 8 galvanically isolated digital inputs; - 8 Digital outputs (Open drain 300m @ 40V); - Expandable to 32 (4 isolated I/O + 2 UD O.C.).
CONNECTIVITY	- RS485 port for connection with IREM expansion modules or for ModBUS RTU; - Local programming port 100 Mbps Ethernet port.
USER INTERFACE	- LED backlit 128×64 pixel LCD graphic display; - 4 Function keys; - 12 Alphanumeric keys; - 5 LED status indicators; - Jog dial for simplified management.
MODELS AND FUNCTIONS	ICON200 Basic model with Ethernet only; ICON200G Model with internal GSM/GPRS modem and Ethernet.
EXPANDABILITY	Each controller in the ICON family comes with an expansion slot for communication cards (RS485, Kamstrup, RS232, MeterBus, or EXP-IO)
POWER SUPPLY	24 VDC +/- 20% - Consumption 200 mA.

REGOLA

Smart Building

The building is intelligent when it is able to optimally manage energy and provide the best possible comfort to those who live there.

Regola is the new App for configuring Intellienergy controllers, dedicated to building management.

Through WiFi connectivity you can transfer one of the configurations downloaded from the Cloud to the building controller.

The scalability and granularity of the products will allow you to manage all HVAC systems, the integrated room controllers will allow you to manage:

- regolazione HVAC
- regolazione ACS
- regolazione illuminazione
- controllo accessi ed occupazione
- analisi e gestione carichi
- contabilizzazione energia
- gestione allarmi
- sistemi wireless monitoraggio ambientale

AUTOMATION WITHOUT PROGRAMMING