



COMM. CODE	ORDER CODE
ICON30	ICC35
ICON30E	ICC36

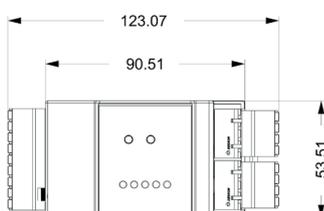
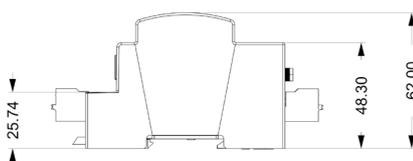


APPLICATIONS
Remote monitoring
HVAC/electrical monitoring
Building Management System
Accounting
Lighting
Temperature regulation
Water mains

CERTIFICATIONS
2006/95/EC, 2004/108/EC EN61000-6-1:2007, EN61000-6-2:2008 EN61000-6-3:2008, EN61000-6-4:2008 EN55024:2010-11 N61000-6-4:2008 EN55024:2010-11

REQUIRED ACCESSORIES
RAL01, RAN10, IGW02, IREM10-30-50-60-70-80, IREMMBUS

BMS FUNCTIONS
The 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



ICON30 DDC (Direct Digital Control) CONTROLLER freely programmable

- BMS functions for Building Automation
- Suitable for industrial use
- ModBUS RTU Server/Client and TCP-IP over Ethernet
- Interoperability with third party systems

An ideal product for providing the system with a minimum set of I/Os and the simultaneous connectivity needed for remote management, which can be carried out using the **FLOWER** platform's integrated tools, or else using the free tools downloadable directly from the website.

The monitored system's operating logic is obtained through the use of optimised and ready-to-use graphic objects, or through pre-set configurations, which can be downloaded from the website via the APP-Regola.

With regard to climatic regulation, a controller was created for the remote management of wall-hung boilers and small systems, where a limited number of I/O capacities are required, but without compromising on energy performance optimisation.

Thanks to a digital BUS, which can reach 300 metres, it is possible to connect temperature and humidity probes and user panels.

Thanks to its compact size and built-in GSM/GPRS/4G LTE CAT1 modem (the SIM can be inserted directly from the rear), this product can allow any system to be monitored remotely. The controller comes with a small internal Web server.

TECHNICAL CHARACTERISTICS

MODELS	- ICON30 : Standard - ICON30E : Without modem
GENERAL SPECIFICATIONS	- 538 MHz ARM® CORTEX®-M7 Processor, - 4 + 32Mbit Q-Serial Data Flash memory, - 1Mbytes static RAM + 32Mbytes Dynamic RAM, - 128 KBytes RAM Backed up lithium (Automatic backup to Flash), - Date clock with 10 ppm lithium battery, - S.O. Multitasking real time
OPERATING TEMPERATURE LIMIT	-40 ... +85 (°C)
I/O	- 3 UD Relays 6A 230 Vac - 3 optoisolated IDs
CONNECTIVITY	- GSM/GPRS/4G-LTE CAT1 Modem (B1/B3/B5/B7/B8/B20); - 100 Mbit Ethernet; - WiFi IEEE802.11 b/g/n protocols (Temporary Hot Spot); - 1xRS485 R-NET/ModBUS, - 1 EasyBUS port for digital probe expansion; - 1 mini USB port; - LAN, ASDL, Web interface
USER INTERFACE	User interface consisting of two buttons and 5 LED indicator lights. The WiFi port allows the user to create a HOT SPOT and use a Smartphone or Tablet with the REGOLA APP as a user interface.
EXPANDABILITY	Via the Easy-BUS port, in addition to the digital measurement probes, it will soon also be possible to add expansion modules with digital inputs and relay outputs.
POWER SUPPLY	24 VDC +/- 20% - Consumption 200 mA@24V.



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

