COMM. CODE	ORDER CODE
IMC10	ICC42

RTU ModBUS | WiFi | 85-260V | IP30 | Class VIII 5% | Ethernet

APPLICATIONS

Remote monitoring

HVAC/electrical monitoring

Building Management System

Lighting

Accounting

Water mains

Temperature regulation

CERTIFICATIONS

2014/53/UE SAFETY; EN 62368–1:2014
EN 62311:2008; EMC emissions & immunity;
ETSI EN 301489–1 V2.1.1 class B;
ETSI EN 301489-17 V3.2.0; ERM (Art. 3.2 RED);
ETSI EN 300328 V2.2.2:2019 DTA

ACCESSORIES

RAL01, IMDM02, IMDM-4G, 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

61.89

90.51

106.31
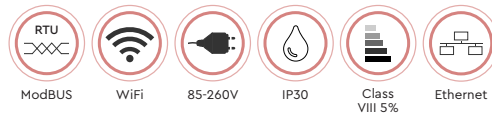
IMC10 DDC (Direct Digital Control) CONTROLLER multi-configuration

- BMS functions for Building Automation
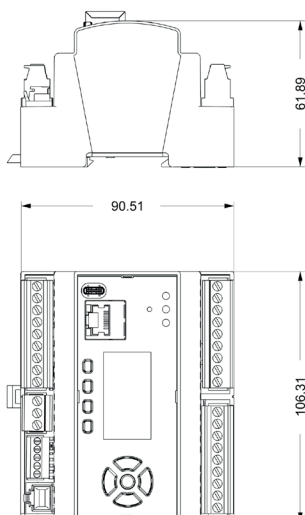- Suitable for industrial use
- ModBUS TCP/IP Server

The controller is powered directly at 220VAC. It comes preconfigured, with the possibility of accessing a powerful library, with ready-made solutions for many types of systems. This allows the system to be rendered operational in just a few simple steps, all while remaining freely configurable and without compromising on the climate control adaptability features. These controllers have been created for the local or remote management of small to medium-sized systems. The multifunction I/O equipment nevertheless makes it possible to manage several distinct thermal circuits, reserving each one its own operating modes, operating calendar, and output commands. The numerous available regulation functions include PID regulation and adaptive comfort time functions. It comes with an RS485 port, which can be configured as ModBUS RTU (Master or Slave) or as a communication port for other IMC10 controllers for modem sharing. 100Mbit Ethernet and WiFi connectivity are always included, and allow for easy access to the internal Web server, as well as connection to an existing network infrastructure. An RJ11 connector allows the user to connect the controller to an external GSM/GPRS/4G LTE CAT1 (IMDM10) modem. A simple user interface (consisting of a monochrome graphic LCD display and a group of function keys) allows the user to configure the controller and access the main system management information. It has a USB port (Host/Device) for programming purposes and for USB mass storage management. The WIFI port, set as HOT-SPOT, allows the controller to be rendered operational via the REGOLA APP.

TECHNICAL CHARACTERISTICS

GENERAL SPECIFICATIONS	- FLASH memory (4) Mbytes; - System memory 32 Mbytes SDRAM SDR; - RAM DISK: 512Kbyte lithium battery backed RAM; - Date clock with lithium battery and automatic switching between standard and daylight savings time. Accuracy 10 ppm; - 32Mbytes Serial Data Flash; - S.O. Multitasking, Real-Time; - 128×64 pixel LCD graphic display.
I/O	18 I/O points. 0 to 8 analogue inputs, 0 to 4 analogue outputs, 2 to 12 digital inputs, 8 digital relay outputs. Programmable combinations for up to 18 I/Os.
CONNECTIVITY	- RJ11 serial port with power supply for IMDM10; - RS485 port for connection with IREM expansion modules or for ModBUS RTU; - USB Type C local programming port; - 100 Mbps Ethernet port; - WiFi IEEE802.11b/g/n.
USER INTERFACE	- LED backlit 128×64 pixel LCD graphic display; - 4 Function keys; - 3 LED status indicators; - 5 menu navigation keys.
MODELS AND FUNCTIONS	IMC10 100Mbit Ethernet port+WiFi IEEE802.11 b/g/n
EXPANDABILITY	Each controller can be expanded in terms of I/O via the RS485 port using IREM modules.
POWER SUPPLY	Voltage: 82–260VAC (50-400Hz)

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