

# Building automation control unit

Lighting and Emergency lighting integration and automation



## GENERAL CHARACTERISTICS

**Protection grade** IP20

**Working temp.** -20 ÷ +40°C

**Mounting** on 9 module DIN bar

**Fixtures managed** Physical limit: 992 devices  
Beghelli recommended limit: 400 devices

**Local transmission** Spread Spectrum radio system SFH  
DSSS in 16 channels

**Remote transmission** GSM, can be connected to a Beghelli Services databases, Interfaceable with BMS (Building Management Systems) by RS-485 interface, MODBUS protocol

- Functions** Complete control of operation of the lighting system, in particular:
- Switching up to 256 groups on and off
  - setting the dimmer level
  - Defining the operating mode (fixed luminosity at the set value or automatic adjustment of luminosity)
  - Diagnostics
  - Measurement of the energy consumed and saved
  - Creation of lighting scenarios
  - Timed switching on/off of groups of lamps
  - Configuration of the lighting system
  - Management of all the functions of the emergency system
  - Synchronization and timing of the test functions
  - Inhibition/enabling of the emergency
  - Detailed management of errors
  - Alternate tests on 50% of the system

Control unit for light fixtures and emergency lighting with radio control equipped with the Beghelli Spread Spectrum transceiver integrated in the Electronic Driver with intelligent dimming.

The control unit sends the light fixtures the necessary commands to regulate their operation and receives information from the fixtures on their status, diagnostics and energy consumption data.

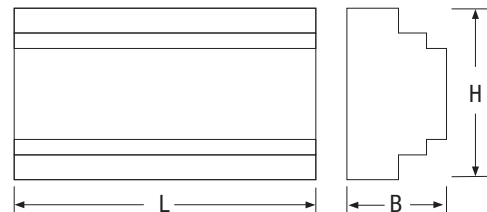
The control unit is able to control each different light fixture in the system individually.

The control unit coordinates operation of the network of communication that allows the control of the light fixtures even in large buildings, by the automatic routing of information packages through the network consisting of the lighting and emergency fixtures.

The control unit also includes a GSM communicator that allows remote control of the system.



• Dimensions (mm) •			Protection grade	Weight kg
L	B	H		
160	75	90	IP20	0.6



## Building automation

supplied

Order code	Description
<b>20109</b>	<b>SD MANAGER SOFTWARE</b>
-	CABLE RS485/USB (WITH CODE 20102)
-	CONVERTER RS485/WIFI - ETHERNET (WITH CODE 20124)

## Building automation control unit

Order code	Description	Packaging
<b>20102</b>	<b>BUILDING AUTOMATION CENTRAL UNIT USB</b>	1
<b>20124</b>	<b>BUILDING AUTOMATION CENTRAL UNIT+WIFI</b>	1