

Logica SD LGFM Control Unit

emergency



Control unit for luminaires (SD-X and SD-Radio) and emergency lighting (LGFM) with radio control of the luminaires and integrated WiFi for remote management from the Beghelli NuBe Cloud.



Various types of connections possible and simultaneous management of lighting and emergency. Possibility of acting on each individual luminaire and creating or activating lighting scenarios. Secure radio transmission with improved communication network, where each luminaire acts as a repeater for the next luminaire

Applications

Industry, services

Characteristics

Power supply 230VAC $\pm 10\%$, 50-60Hz

Mounting 9 DIN rail modules

Managed luminaires up to 350 manageable radio devices including lighting lamps, emergency lamps and home automation devices.

Connection interface

SFH DSSS Radio Spread Spectrum on 16 channels, UMTS 4G slot mini SD (SIM included), WiFi - AccesPoint (AP) mode and Client (STA) mode, Ethernet, USB (2 ports), Bluetooth, RS485, RS232, 4 x IN ports and 2 x OUT ports

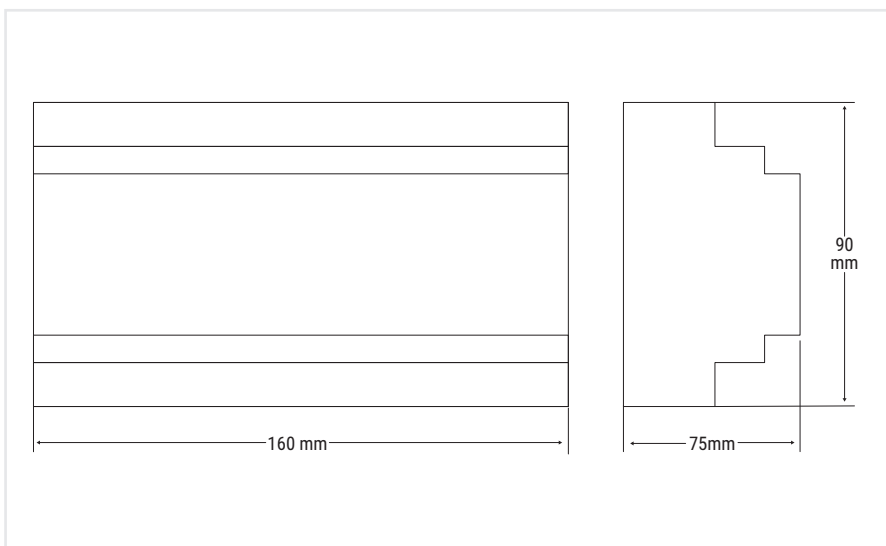
Management software

B.connect App, NuBe, SD Manager, Logica visual

Memory card

SD Card (not included)

Compliance EN60950-1, EN62034, EN50172, 2014/53/EU



FUNCTIONS

- Setting of the dimmer level
- Definition of operating mode (fixed brightness at a set value or automatic dimming)
- Diagnostics
- Measurement of energy consumption and energy saved
- Creation of lighting scenarios
- Timed switching on/off of lamp groups
- Configuration of the lighting system
- Management of all emergency system functions
- Synchronisation and timing of test functions
- Emergency inhibition/enabling
- Detailed error management
- Alternating (even/odd) autonomy tests to keep 50% of the system always on, even during tests

LOW POWER RADIO COMMUNICATIONS BASED ON SPREAD-SPECTRUM TECHNOLOGY UNLIMITED RADIO RANGE

The radio waves used by the Logica FM system are very low power to avoid any kind of interference and electromagnetic pollution. The power involved in radio communication is less than one hundredth of that emitted by a normal mobile phone. The signal transmitted by the Control Unit is received by the first luminaire in the "route" memorised during the control unit

start-up; each luminaire, equipped with a radio transceiver and an amplifier, receives and transmits the signal to the next appliance in the memorised "route".

All products in this range comply with the standards in the European Recommendation ERC/REC 70-03.

	Order Code	Description	Number of luminaires	Number of DIN rail modules	Weight Kg	Packaging Single/Multi pack
LGFM	21102	SD LOGIC CONTROL UNIT (SIM included)	350	9	0.6	1

System modules



Expansion modules, to be integrated inside the luminaires, to upgrade to a specific centralised control system allowing connection to the relevant control units (**SD LGFM, LGFM, LG**) or to other centralised systems(**DALI**).

LG MODULE

It allows the expansion of the device for dialogue, via the Logica BUS, with the **Logica LG Control Unit**.

LGFM MODULE

High-frequency transceiver module for spread spectrum radio transmission, which allows luminaires to be radio connected to the **Logica SD LGFM and Logica Connect LGFM control units**.

DALI MODULE

It allows luminaire expansion for dialogue via **DALI BUS** with various control units equipped with DALI protocol data transmission.

	Order Code	Description	IP protection rating	Packaging Single/Multi pack
LG	15036	LG MODULE	IP20	1
LGFM	15037	LGFM MODULE	IP20	1
	15047*	IP65 LGFM MODULE	IP65	1
	19375**	LGFM INVERTER MODULE	IP20	1
DALI	15038	DALI MODULE	IP20	1

* To be combined with LungaLargaLuce Extreme (Code 19370)

** To be combined with INVERTER (19355L, 19390, 19391), STEEL (Cod.15030,15032), DOT (Order 19712)