
High-Performance IP Controller

Standalone Controller with Hospitality Logic Engine

LX-MCR12

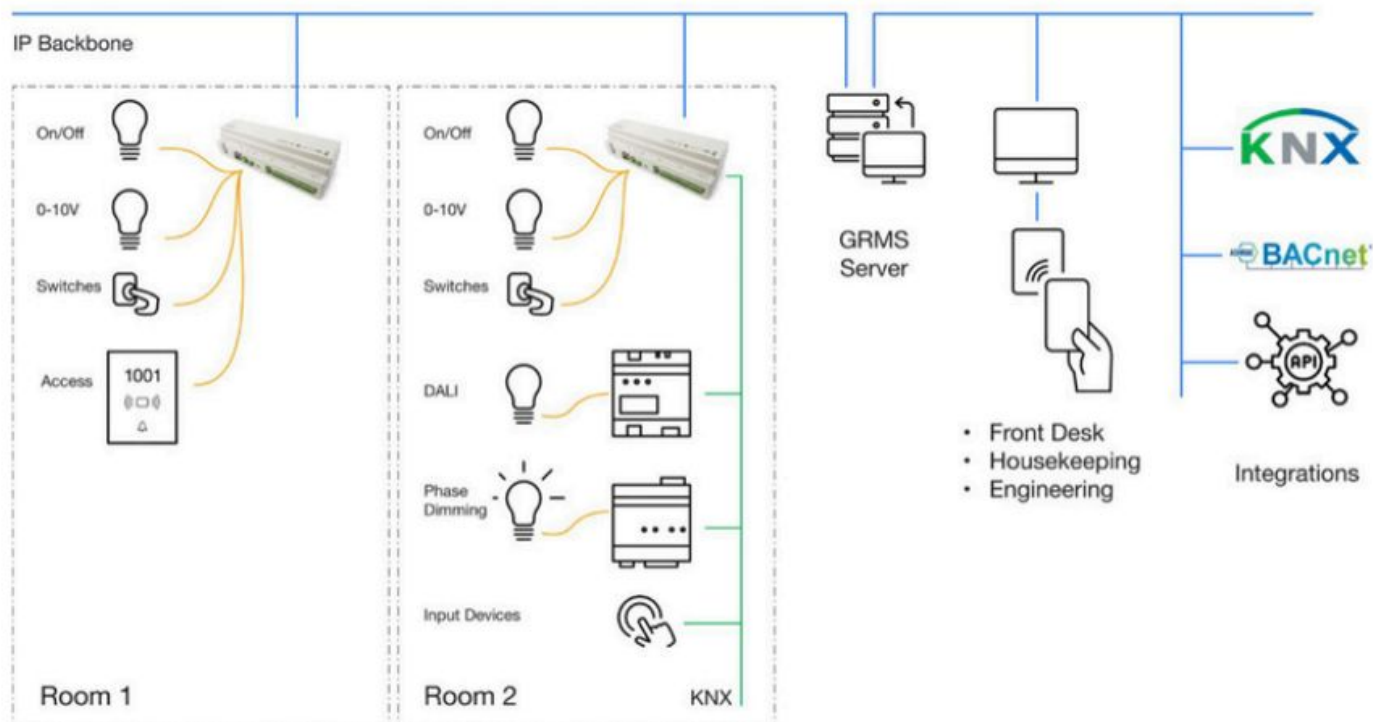


Power complete smart room automation with the Luxio Controls LX-MCR12. Designed as the central controller of the GRMS ecosystem, it combines Ethernet and RS485 communication with 12 relay outputs, 12 digital inputs, analog control, and built-in infrared functionality. Its fully programmable logic engine enables reliable and flexible control of lighting, HVAC, curtains, access systems, and other in-room applications.

Dimensions (in mm)



Simple, Modern and Open System



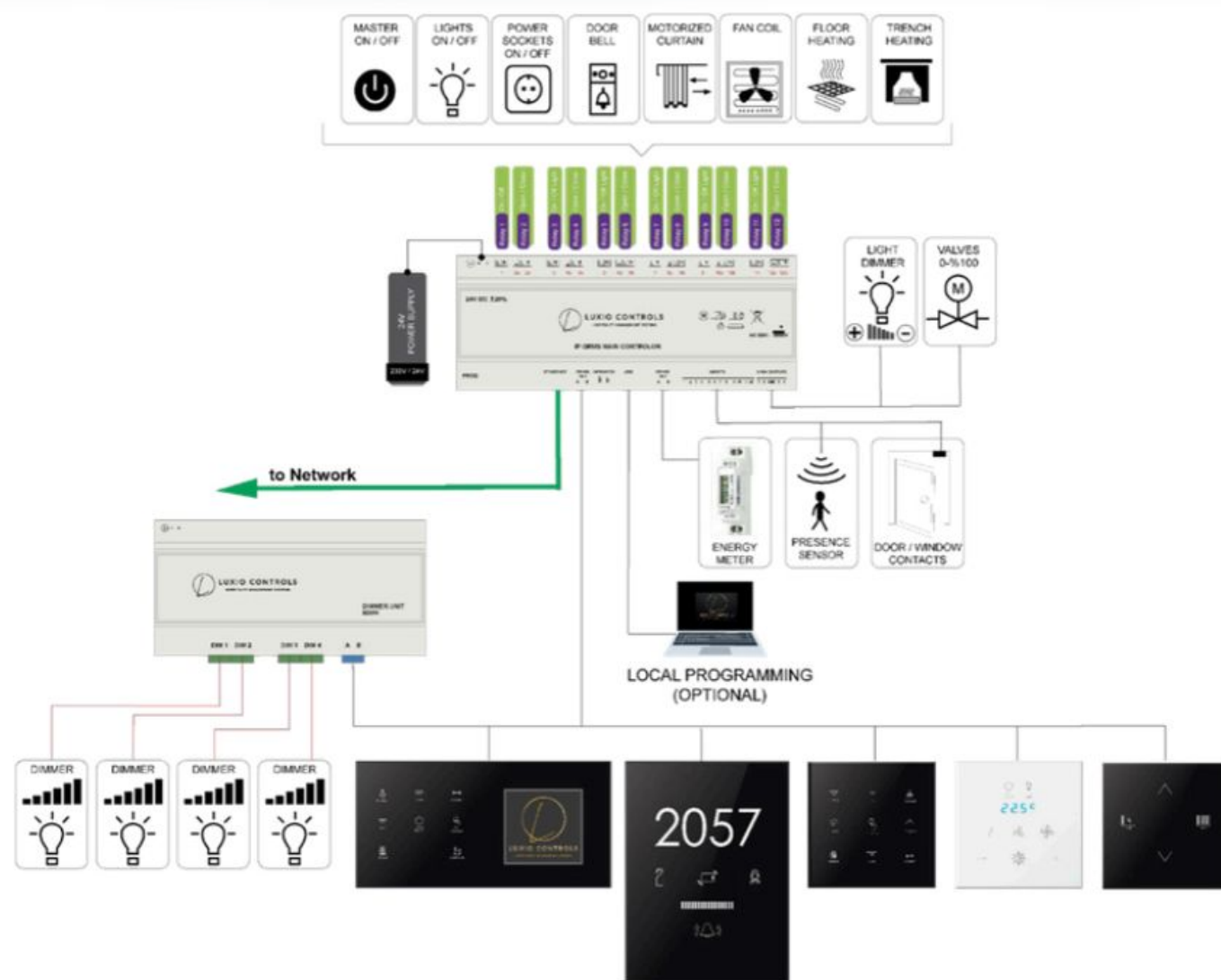
About the Product

LUXIO IP High performance controller is the brain of the entire Smart Room system. Communication with LUXIO GRMS Server is based on ETHERNET and RS485 bus is used to connect all smart in-room peripherals like touch points (light and curtains control panels) and thermostats. It has on board 12 Power Relays, 12 digital inputs, 4 analog outputs, 2 independent modbus ports, and IR output to control split air conditioner units. All of them are freely programmable in terms of logics and complex scenarios.

Technical Specifications

Parameter	Value
Product Name	LX-MCR12
Power Supply	DC 24V $\pm$ 20% 0.5A
Relay Outputs	12 (6 normally open, 6 normally open and close)
Relay Rating	16A per channel
Digital Inputs	12
Analog Outputs	4x 0-10V
Network	1x 10/100 Ethernet port
KNX	Optional
Infrared Control	Built-in
USB Port	Micro-B USB for firmware update
RS-485 Interface	2x independent ports, up to 8 devices on each port
Operating Temperature Range	0 °C - +45 °C
Storage & Transportation Temperature Range	-10 °C - +70 °C
Maximum Humidity Level	90%
Case Material & Mounting Type	ABS V0 flameretardant - DIN Rail mountable
Dimensions (W x H x D)	230 x 91 x 59mm
Protection Level	IP20, for indoor use only

Wiring Diagram and Functions



About Luxio Controls

Luxio specializes in hotel automation solutions for both the retrofit and new-build markets. We use state-of-the-art technologies to increase the energy efficiency of hotel rooms and the productivity of hotel staff by streamlining operating processes. Our products have been developed for the hotel industry.

Luxio typically saves hoteliers an average of up to 40% in energy costs and 30% on staff count per property. Luxio is known to increase guest satisfaction, which is positively reflected in online guest reviews. According to a US Environmental Protection Agency calculation, installing one Luxio Room Kit is equal to planting 535 trees.

Luxio Controls Hospitality Management Systems

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