

# KET-DIM-100.NR



APPLICATIONS
Smart City



MAGGIORI CONTENUTI ONLINE

## unresinated wireless control module with 0-10V output

- Device control with 0-10 V input
- Designed for road applications
- Integrated repeater function
- Extended radio range

**KET-DIM-100.NR** is a **wireless** analog control module designed for the remote control of various devices, including lamps, pumps, and motors, equipped with a **0-10 V** regulation input. Its **wireless** nature simplifies installation and offers flexible device management. Its **compact dimensions** make it ideal for integration within lighting equipment such as ceiling lights and street lamps. It features an **IP40 protection rating** without internal resin coating. Thanks to the **integrated repeater function** and the **amplified radio**, the KET-DIM-100.NR facilitates the simple and cost-effective expansion of the **X-Monitor** network, leveraging **IEEE 802.15.4 wireless communication** technology.

TECHNICAL FEATURES	
GENERAL SPECIFICATIONS	<b>Protection Range:</b> IP40 <b>Operative Temperature:</b> -15 ÷ +70 °C <b>Storage Temperature:</b> <b>Relative Humidity:</b>
CASE	<b>Dimensions:</b> 100 x 45 x 30 mm (W x H x D) <b>Mounting:</b> Wall mounting <b>Material:</b> Black nylon
POWER SUPPLY	<b>Supply Voltage:</b> 230 VAC with integrated power supply (50-60 Hz) <b>Consumption:</b> 1.5 VA <b>Connectors types:</b> Device supplied with pre-skinned cable terminals
DIGITAL INPUTS	<b>Channels:</b> 1 <b>Digital Inputs:</b> For clean contact with control, alarm, pulse counter, second counter, etc. functions.
ANALOG OUTPUTS	<b>Output Type:</b> Remote control of devices with a 0-10 V control input
RADIO MODULE	<b>Supported Protocols:</b> X-Monitor Protocol (X-MP) / IEEE 802.15.4 / ZigBee™ Pro 2.0 <b>Radio Frequency:</b> 2.4 GHz ISM Band <b>Output Power:</b> +3 ÷ +20 dBm <b>Sensitivity:</b> -104 dBm <b>Antenna Type:</b> RPSMA connector, 90° antenna supplied <b>Max Distance (Free Air):</b> Over 1000 m
FUNCTIONALITY	<b>Radio Signal Indicator:</b> Integrated (LinkQuality) <b>Output Power Adjustment:</b> From local keyboard and remotely <b>Firmware Upgrade:</b> Via radio <b>User menu:</b> <b>Support for public environment:</b>
INTEGRATED FUNCTIONS	<b>Services:</b> Supported load diagnostics and apparent energy metering in kW/h

