



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

Applications

Smart city

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