

unresinated wireless control module with 0–10V output

KET-DIM-100.NR

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

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