



## Wireless control module with 0–10 V output

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

## KET-DIM-100

### Applications

**KET-DIM-100** is the **wireless** analog control module that enables effective remote control of a wide range of devices, including lamps, pumps, and motors, equipped with a standard **0-10 V** regulation input. Its **wireless** technology simplifies installation and offers greater flexibility in device control. Its **small dimensions** make it ideal for integration within lighting fixtures such as ceiling lights and street lamps, maintaining a compact and discreet design. The **protective resin coating** ensures reliable operation even in the presence of vibrations and temperature fluctuations, guaranteeing greater durability over time. Thanks to the **integrated repeater function** and the **amplified radio**, the KET-DIM-100 allows for easy and cost-effective extension of the range and reliability of the **X-Monitor** network, fully leveraging the benefits of **IEEE 802.15.4 wireless communication**.

### Technical Features

General specifications	<b>Protection Range:</b> IP65 <b>Operative Temperature:</b> -15 ÷ +70 °C
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
Integrated functions	<b>Services:</b> Supported load diagnostics and apparent energy metering in kW/h