



# 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** 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**.

## KET-DIM-100

| Applications               |
|----------------------------|
| Building management system |
| Smart city                 |

| Accessories   |
|---------------|
| KET-ANT-203   |
| KET-ANT-204   |
| KET-ANT-300.S |
| KET-REL-010   |

| Technical Features     |                                                                                                                                                                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General specifications | <b>Protection Range:</b> IP65<br><b>Operative Temperature:</b> -15 ÷ +70 °C                                                                                                                                                                                                                                           |
| Case                   | <b>Dimensions:</b> 100 x 45 x 30 mm (W x H x D)<br><b>Mounting:</b> Wall mounting<br><b>Material:</b> Black nylon                                                                                                                                                                                                     |
| Power supply           | <b>Supply Voltage:</b> 230 VAC with integrated power supply (50-60 Hz)<br><b>Consumption:</b> 1.5 VA<br><b>Connectors types:</b> Device supplied with pre-skinned cable terminals                                                                                                                                     |
| Digital inputs         | <b>Channels:</b> 1<br><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<br><b>Radio Frequency:</b> 2.4 GHz ISM Band<br><b>Output Power:</b> +3 ÷ +20 dBm<br><b>Sensitivity:</b> -104 dBm<br><b>Antenna Type:</b> RPSMA connector, 90° antenna supplied<br><b>Max Distance (Free Air):</b> Over 1000 m |
| Functionality          | <b>Radio Signal Indicator:</b> Integrated (LinkQuality)<br><b>Output Power Adjustment:</b> From local keyboard and remotely<br><b>Firmware Upgrade:</b> Via radio                                                                                                                                                     |
| Integrated functions   | <b>Services:</b> Supported load diagnostics and apparent energy metering in kW/h                                                                                                                                                                                                                                      |