



KET-DIM-100

Applications

Building management system

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**.

Technical Features

General specifications	Protection Range: IP65 Operative Temperature: -15 ÷ +70 °C Storage Temperature: Relative Humidity:
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 User menu: Support for public environment:
Integrated functions	Services: Supported load diagnostics and apparent energy metering in kW/h