KET-DIM-100





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.

APPLICATIONS
Building management system
Smart City



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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: 45 + 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

