KET-DIM-100.NR

unresinated wireless control module with 0-10V output

• **Device control with 0-10 V input**

• **Designed for road applications**
• **Integrated repeater function**
• **Extended radio range**

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.

APPLICATIONS
Smart City

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TECHNICAL FEATURES	
GENERAL SPECIFICATIONS	**Protection Range**: IP40 **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

No Information

15/09/2025