kerberos

IP30 X- MONITOR



KET-DDX-411

Applications

Building management system

Wireless multi-function I/O module with 4 digital inputs and 4 relay outputs

- **For data acquisition and control of external devices**
- **Relay outputs 12 A @ 250 VAC, 12 A @ 24 VDC**
- **2.4 GHz ISM band radio module**
- **Led display of input/output status**

The **KET-DDX-411** manages up to **32 ModBUS RTU slave devices** connected to its **RS485 port**. It can be programmed to read a series of registers and send them to the Gateway.
It is designed for control systems used in building automation with the I/O module with 4 digital inputs for **dry contact** (max 30 Hz) and 4 digital outputs SPDT relays type NC C NO with capacity **12 A @ 250 VAC, 12 A @ 24 VDC** and maximum peak current up to 100 A, ModBUS Master wireless with X-Monitor communication protocol.
It is equipped with a 4-LED interface to display the status of each input/output selectable via a handy keypad and an **F-RAM memory** for maintaining configured parameters in the event of a power failure.
The KET-DDX-411 is equipped with a **2.4 GHz ISM band radio module** that allows for a free air signal range of up to 1000 m, which is essential for large installations because it avoids the placement of numerous metres of cable, reducing costs.
DIN rail mounting and removable spring terminals make it easy to install in any industrial control cabinet.

Technical Features

General specifications	**Protection Range**: IP30 **Operative Temperature**: -10 ÷ +60 °C
Case	**Dimensions**: 53.5 x 90.5 x 61 mm (W x H x D) **Mounting**: DIN-rail **Required DIN modules**: 3 DIN modules **Electric Board Type**: Industrial **Material**: Blend PC/ABS sel extinguishing UL94-VO
Power supply	**Supply Voltage**: 12 ÷ 24 VAC / 12 ÷ 36 VDC **Consumption**: 370 mA **Connectors types**: Removable spring clamps
Datalogger function	**Memory Type**: F-RAM: storage of parameters in case of power failure
Digital inputs	**Channels**: 4 digital inputs for clean contact (Max. 30 Hz)
Rele' outputs	**Channels**: 4 digital relay outputs SPDT with NC C NO changeover contact **Maximum Switching Voltage**: 250 VAC, 24 VDC **Maximum Rated Current**: 12 A **Max. Inrush Peak Currents**: High-Inrush model: Inrush peak currents up to 100 A **Isolation**: 1,000 MOhm min @ 500 VDC
Radio module	**Supported Protocols**: X-Monitor Protocol (X-MP) / IEEE 802.15.4 **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