



# ModBUS multifunction 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

- ModBUS RTU Slave interface
- Led display of input/output status

The **KET-DDX-410**, designed for the realization of control systems used in building automation, is an I/O module with 4 digital inputs for **clean 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 inrush current up to 100 A. It is equipped with an interface with 4 leds to display the status of each input/output selectable through a practical keyboard and with an **F-RAM** memory to maintain the configured parameters in case of power failure. The KET-DDX-410 supports RS485 serial communication with **ModBUS RTU Slave protocol**. DIN rail mounting and removable spring clamp terminals make it easy to install in any industrial control cabinet.



APPLICATIONS
Building management system



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TECHNICAL FEATURES	
GENERAL SPECIFICATIONS	<b>Protection Range:</b> IP30 <b>Operative Temperature:</b> -10 ÷ +60 °C <b>Storage Temperature:</b> <b>Relative Humidity:</b>
CASE	<b>Dimensions:</b> 53.5 x 90.5 x 61 mm (W x H x D) <b>Mounting:</b> DIN-rail <b>Required DIN modules:</b> 3 DIN modules <b>Electric Board Type:</b> Industrial <b>Material:</b> Blend PC/ABS self extinguishing UL94-VO
POWER SUPPLY	<b>Supply Voltage:</b> 12 ÷ 24 VAC / 12 ÷ 36 VDC <b>Consumption:</b> 370 mA <b>Connectors types:</b> Removable spring clamps
DATALOGGER FUNCTION	<b>Memory Type:</b> F-RAM: storage of parameters in case of power failure <b>Data Storage Capacity:</b>
RS485 INTERFACE	<b>Channels:</b> <b>Supported Protocols:</b> ModBUS RTU Slave <b>Communication Rate:</b> <b>Isolation:</b> Isolated <b>Connectors types:</b> Removable spring clamps
DIGITAL INPUTS	<b>Channels:</b> 4 digital inputs for clean contact (Max. 30 Hz) <b>Digital Inputs:</b>
RELAY OUTPUTS	<b>Channels:</b> 4 digital relay outputs SPDT with NC C NO changeover contact <b>Maximum Switching Voltage:</b> 250 VAC, 24 VDC <b>Maximum Rated Current:</b> 8 A <b>Max. Inrush Peak Currents:</b> High-Inrush model: Inrush peak currents up to 100 A <b>Voltage Output:</b> <b>Isolation:</b> 1,000 MOhm min @ 500 VDC

