



2-channel DC ModBUS meter with 4 relays for load shedding and signaling and 4 digital inputs

KET-XDC-112

- 12-48 VDC power supply, suitable for TelCo environments
- Relay outputs 16 A@24 VDC (NO) - 5 A@24 VDC (NC)
- 2 Hall effect sensors: range ± 200 A
- LED status display of inputs/outputs

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.

Technical Features

General specifications	Protection Range: IP30 Operative Temperature: $-10 \div +60$ °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 self extinguishing UL94-V0
Power supply	Supply Voltage: 12 to 48 VDC Consumption: 370 mA Connectors types: Removable spring clamps
Datalogger function	Memory Type: F-RAM: storage of parameters in case of power failure
Rs485 interface	Channels: 1 Supported Protocols: ModBUS RTU Slave Communication Rate: 9600 to 38400 bps; set to 38400 bps by default Isolation: Isolated Connectors types: Removable spring clamps
Digital inputs	Channels: 4 digital inputs for dry contact (Max. 30 Hz)
Analog inputs	Channels: 2 for Hall effect sensors
Relay outputs	Channels: 4 digital relay outputs SPDT with NC C NO changeover contact Maximum Switching Voltage: 24 VDC Maximum Rated Current: 16 A@24 VDC (NO relay); 5 A@24 VDC (NC relay) Max. Inrush Peak Currents: High-Inrush model: Inrush peak currents up to 100 A Isolation: 1,000 MOhm min @ 500 VDC
Current sensor	Sensor Type: Hall effect probe Current Range: ± 200 A Voltage Output: 1.5 to 3.5 V Internal Resistance: ≈ 10 k Ω Precision: $\leq 2.0\%$ (T=25°C VC= ± 15 V) Linearity: $\approx 2.0\%$ (T=25°C) Hi Pot Test: 3.0 kV/min