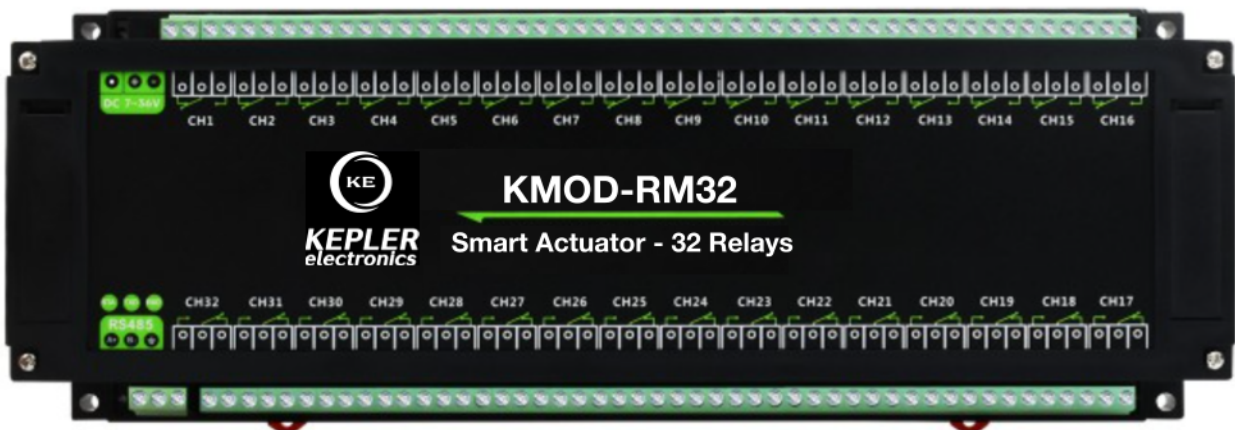


KMOD-RM32

Smart 32-Ch Relay Module, Modbus RS485 Interface, With Multiple Isolation Protection Circuits



- KMOD-RM32 is an industrial 32-ch relay module controlled via RS485 bus, adopts Modbus RTU protocol, built-in protection circuits such as power supply isolation, magnetical isolation, resettable fuse, and TVS diode, etc. It also comes with an ABS case.
- Easy to use. Due to its fast communication, stability, reliability, and safety, it is an ideal choice for industrial control equipments and/or applications with high communication requirements.
- Configurable device address (1~255), multi devices can be cascaded on RS485 bus
- Features flash-on, flash-off function, it is possible to turn on the relay for a while and then close it automatically via the command
- Onboard voltage regulator chip, supports 7~36V wide voltage power supply
- Onboard unibody power supply isolation, provides stable isolated voltage, needs no extra power supply for the isolated terminal
- Onboard unibody magnetical isolation, allows signal isolation, high reliability, strong anti-interference, low power consumption
- Onboard resettable fuse and TVS (Transient Voltage Suppressor), effectively suppress surge voltage and transient spike voltage in the circuit, provides over-current/over-voltage proof, lightning proof & anti-electrostatic
- Onboard Optocoupler isolation, prevent the relay from being interfered by high-voltage circuit
- Onboard dedicated relay driver chip, with built-in freewheeling diode protection, the driving ability is stronger and more stable

- Reverse-proof circuit, prevent the circuit from being damaged accidentally by incorrect connection
- High quality relay, contact rating: $\leq 10A$ 250VAC/30VDC
- Rail-mounted ABS case, easy to install, safe to use
- 3 LEDs for indicating the MCU status and signal transceiving status

Specifications

OPERATING VOLTAGE	7~36V
COMMUNICATION INTERFACE	RS485
BAUDRATE	4800, 9600, 19200, 38400, 57600, 115200, 128000, 256000
DEFAULT COMMUNICATION FORMAT	9600, N, 8, 1
RELAY CHANNELS	32
CONTACT FORM	1NO 1NC
CONTACT RATING	$\leq 10A$ 250VAC/30VDC
COMMUNICATION PROTOCOL	Standard Modbus RTU protocol
RS485 ADDRESS	1~255
LED INDICATORS	STA: MCU indicator, keep flashing when the MCU normally working TXD: TX indicator, lights up when sending data RXD: RX indicator, lights up when receiving data