NETWORK I/O RELAY CONTROLLER

TCM-N5204C

4 Channel Network I/O Controller

4 inputs and 4 relay outputs, powered and controlled over one PoE cable.



4 DI	4 DO	Power	Ethernet	Protocol	Cloud
NPN / PNP	10 A relay	Wide 9–48 VDC	RJ45 port	URL API · MQTT	App · Web

DESCRIPTION

The TCM-N5204C is a compact network I/O controller with 4 optically isolated digital inputs and 4 relay outputs rated 10 A. Wide range power supply 9–48 VDC input. It supports URL HTTP API, MQTT, Modbus RTU, ASCII and a custom command protocol, and can be controlled from the cloud platform through a mobile app or web browser. Pulse counting, timers, delay-off and interlock control run on the device itself, while the DIN-rail housing and −40 °C to +85 °C rating suit control cabinets in harsh environments.

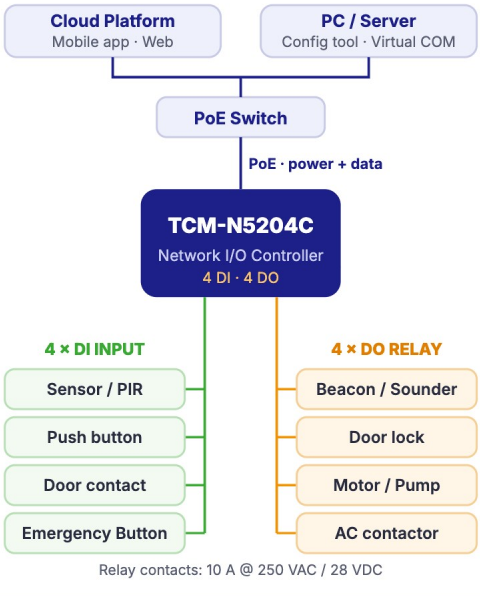
FEATURE

- 4 DI (NPN/PNP) + 4 relay outputs, 10 A
- Wire Range power Supply 9–48 VDC
- URL HTTP API, MQTT, Modbus RTU, ASCII
- Cloud remote control via mobile app & web
- Pulse counting on every input
- Timers, delay-off and interlock control
- DIN rail, −40 to +85 °C, EFT/ESD protected

SPECIFICATION

MODEL	TCM-N5204C
Digital Input	4 × DI, NPN / PNP compatible, optically isolated
Relay Output	4 × relay, 10 A @ 250 VAC / 28 VDC
Ethernet	1 × RJ45, PoE powered
Aux. Output	5 V terminal for sensors
Protocols	URL HTTP API, MQTT, Modbus RTU, ASCII
Network Mode	TCP server / client, cloud heartbeat
Default Setting	IP 192.168.1.253, device address 1
Remote Control	Cloud, mobile app, web, PC software
Special Functions	Pulse counting, delay-off, timers, interlock
Transparent Mode	Serial-server transparent transmission
Virtual COM	Windows virtual COM port driver
Configuration	Graphical PC configuration tool
Power	9–48 VDC (DC jack)
EMS Protection	EFT ±4 kV, ESD ±8 kV (contact)
Operating Temp.	−40 °C to +85 °C
Storage Temp.	−40 °C to +105 °C
Installation	Wall mounting or DIN rail mounting
Dimension	115 × 90 × 40 mm
Net Weight	450 g

APPLICATION



DC Power powers and links the controller. Sensors and buttons feed the 4 inputs; the 4 relays switch lights, alarms, locks and motors.

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