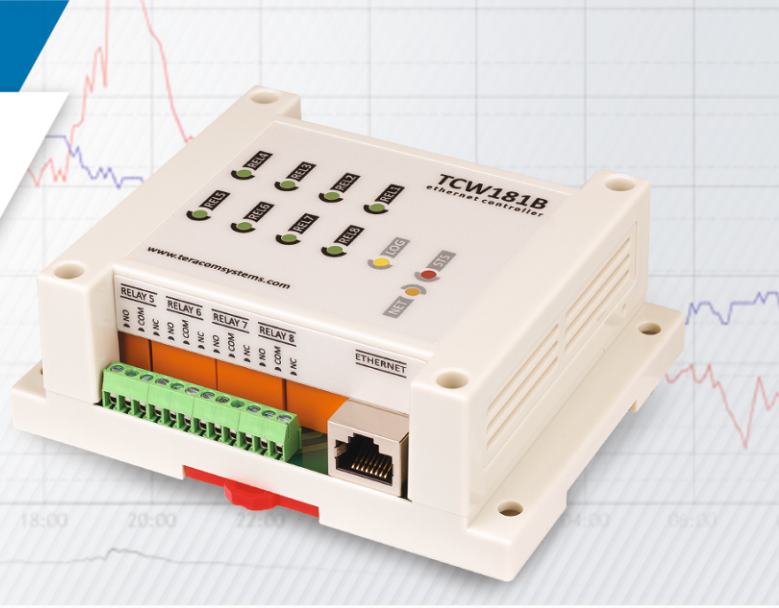
control solutions
TERACOM

TCW181B-CM

Ethernet digital IO module



Overview

TCW181B-CM is an Ethernet digital IO module. It has 8 relays with NO/NC contacts and 1 digital input.

The device has embedded HTTP server for easy setup. For a stand-alone application, there is no need of external software for setup. A standard browser as IE, Chrome, Firefox, etc. can be used.

TCW181B-CM supports HTTP API and SNMP protocol for M2M communication. With this protocols, the device can be part of control and monitoring systems.

A large number of relays with normally open and normally closed contacts makes the device suitable for the simultaneous management of several parallel processes. With its supported M2M protocols, the device can be easily integrated into supervisory control and data acquisition systems (SCADA).

Applications

- Remote control of electric devices – for industrial automation such as actuators, valves, motors, pumps, coils, etc.
- Access control and attendance systems - remote control of electric drop bolts, electric strikes, electromagnetic lock, etc.
- Building management system (BMS) – automatic light control for public and private facilities.
- Renewable power systems - remote output power control of small wind and solar power station.

Interfaces

10 Mbit Ethernet

1x Digital Inputs

8x Relay Outputs

Basic features

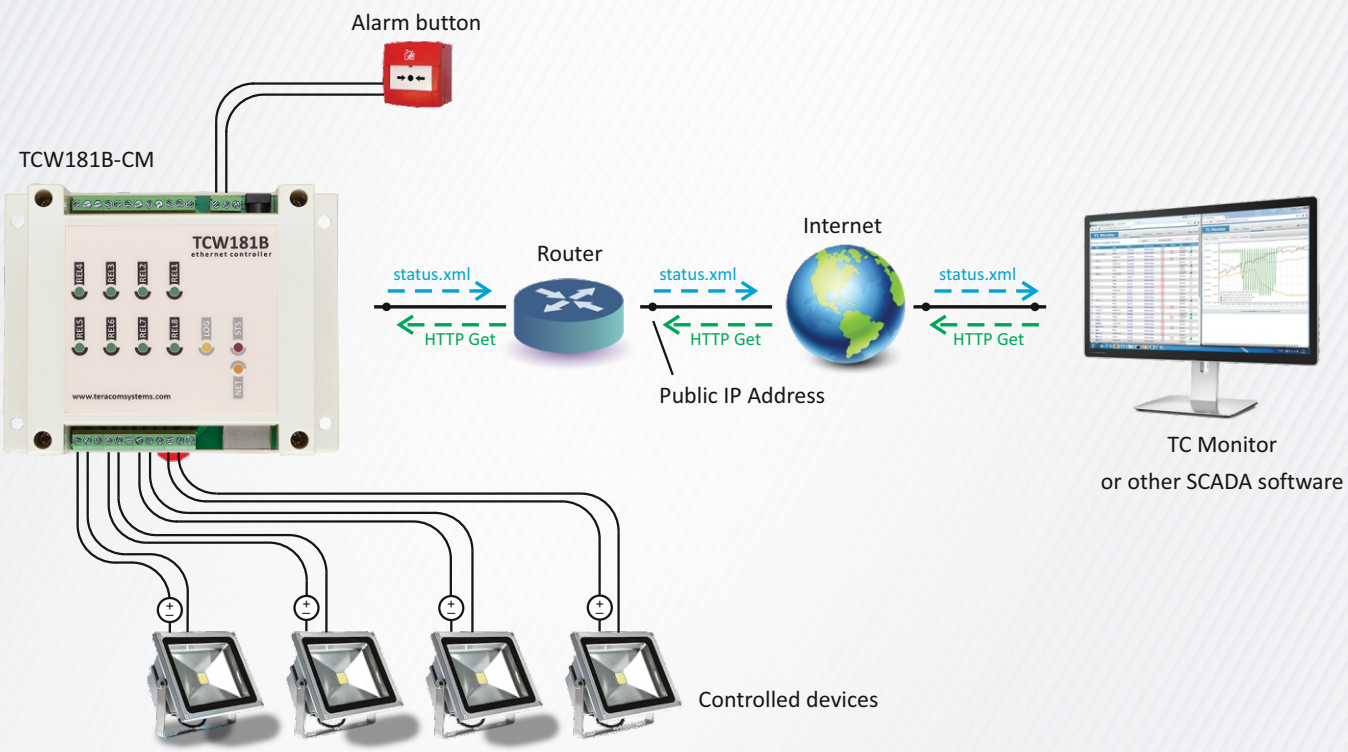
- Embedded WEB server for configuration and control;
- On/Off and Pulse modes for relay activation;
- LED indicators for relay state;
- SNMP v1 support;
- SNMP traps alerts on alarm condition;
- SMTP without SSL/TLS support;
- Email alerts on alarm condition;
- HTTP API commands support;
- XML status report file;
- HTTP and SNMP port changing;
- Remote firmware update;
- DIN-Rail mountable.

TCW181B-CM - Ethernet digital IO module

Short specification

Supply voltage, VDC	10-14
Maximum current (with all relays ON), mA	370
Weight, g	205
Dimensions, mm	115 x 90 x 40
Operating temperature range, °C	-20 to +55
Operating relative humidity range, %RH	5 to 85 (non-condensing)
Minimum high-level input voltage for digital inputs, VDC	+2.5
Maximum low-level input voltage for digital inputs, VDC	+0.8
Maximum input voltage for digital inputs, VDC	+5.5
Maximum switchable current for relay contacts, A	3
Maximum switchable voltage for relay contacts, VAC/VDC	30/24

Typical application



Software

- TC Monitor
- TCW Control for Android
- TCW Control for iOs
- Third party software applications