IOMB-TCP/IP, GATEWAY FOR I/O-MODULES

Fits IOMB-02, IOMB-03 and IOMB-04.

CE
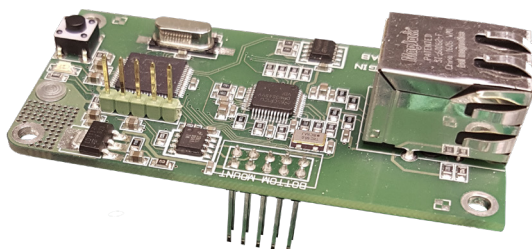
TECHNICAL DATA

Supply voltage:	From the I/O-modules IOMB-02/ IOMB-03/IOMB-04
Communication:	TCP/IP
Connection:	RJ45

Indications LED on PCB

- Yellow, flash:	TCP/IP communication
- Yellow, double flash:	DHCP energising via push button
- Green, fixed:	Operation
- Green, blink:	Internal Modbus communication
Ambient temperature:	-20 to +50°C
Dimensions (WxHxD):	75x39x33 mm

FUNCTION

The TCP/IP gateway communicates internally with the I/O module via modbus RTU and externally via TCP/IP. In order for the factory-set Modbus communication to work, all DIP switches on the I/O module must be set to OFF. You can change the Modbus communication settings in the web interface for the TCP/IP gateway, in which case you must also adjust the DIP switch settings in the I/O module.

The TCP/IP gateway has the capacity to communicate with one external device (e.g. OPC server) at a time.

USE

IOMB-TCP/IP is a gateway for IOMB-02, IOMB-03 and IOMB-04 that permits communication with the I/O modules via TCP/IP.

FEATURES

- **Gateway for I/O modules**
- **Communicates via TCP/IP**
- **For retrofitting on IOMB-02, IOMB-03 and IOMB-04**

MOUNTING

The IOMB-TCP/IP is mounted using the 4 screws and washers provided, onto the I/O modules IOMB-02, IOMB-03 or IOMB-04.

For more information, please refer to the installation instructions provided with the product.

INSTALLATION

The DIP switches (1–10) in the I/O module must be in their OFF positions to enable internal communication between the I/O module and the TCP/IP gateway.

Instruction, connection to network:

1. Connect the TCP/IP module to the designated location on IOMB-02, IOMB-03 or IOMB-04.
2. Fit the 4 accompanying washers and screws.
3. Energise the I/O module. The green and yellow LEDs on the TCP/IP module light up.
4. Press the button to the right of the yellow LED and hold it down until the yellow LED flashes twice. The TCP/IP gateway is now set to receive an IP address via DHCP.
5. Plug in the network cable.
6. To access the network settings, open a web browser and search for host name: "http://calectrobrige". If you experience problems locating the TCP/IP gateway, download and install the program: "Microchip TCPIP Discoverer" available from Calectro's website: http://www.calectro.se/ products/#!/ programvaror/. This program looks for all connected gateways that have a TCP/IP circuit from Microchip and displays their assigned IP addresses.
7. Log in to network settings with the user name: "admin" and password: "admin".
8. Click NETWORK SETTINGS to access the network settings.
9. Under MODBUS SETTINGS you can manage internal communication between the I/O module and the TCP/IP gateway. You do not usually need to adjust this. The default settings in MODBUS SETTINGS correspond to the I/O module's DIP switch in the OFF position.

MAINTENANCE

IOMB-TCP/IP is maintenance-free.

EXAMPLE OF ORDER

Item code	Description
IOMB-TCP/IP	TCP/IP gateway for IOMB

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