HIEX Industrial Digital Input

User manual

DataQ-DI

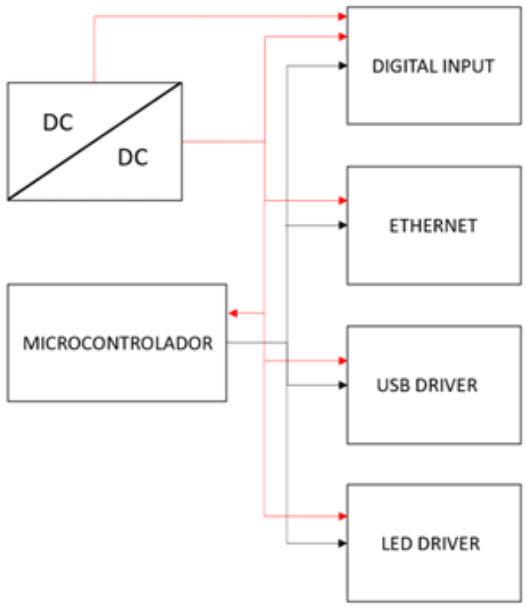
HIEX

Summary

User manual

DataQ-DI

Product details



Features

- 8 digital input channels;
- Industrial standard type 1, 2 and 3;
- IEC 61131-2;
- 12Vdc to 24Vdc;
- Configurable disconnection detection;
- Configurable acquisition rate;
- 40oC to + 75oC;
- 8kV ESD;
- Acquisition up to 1MHz;
- Modbus TCP/IP;
- Ethernet or Wifi connection;

Application

- Programmable Logic Controller;
- Industrial Automation;
- Process Automation.

DataQ-DI is a digital input module with 8 industry-standard digital inputs and interfaces with the Modbus/TCP HTTP Server/HTTPS server and USB-Serial protocols.

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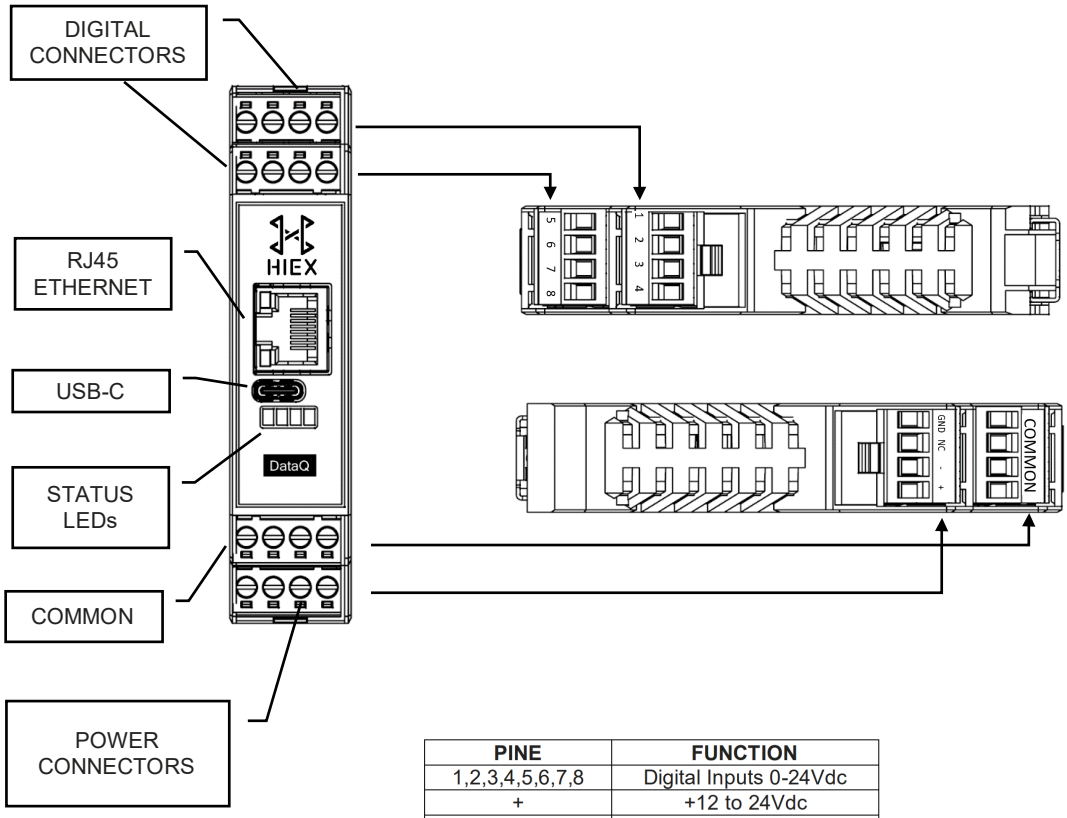
Data Q - DI

Technical Data

Dimensions	107x99 mm
Type of fastening	Trilho DIN 35mm
Material	PA66, UL94 V-0
Weight	200g
IP rating	IP20
Power supply	12V to 24V, +/- 15%
Power	480mW
Operating temperature	-40ºC to + 75ºC
Storage temperature	-40ºC to + 85ºC
Connections	USB-C Wi-Fi
Interfaces	Modbus/TCP HTTP Server HTTPS server USB-Serial.
Digital Inputs	8 inputs from 12Vdc to 24Vdc

Data Q - DI

Connections



PINE	FUNCTION
1,2,3,4,5,6,7,8	Digital Inputs 0-24Vdc
+	+12 to 24Vdc
-	0Vdc
COMMON	0Vdc
GND	*grounding

***must not be connected to the 0V of the power supply.**

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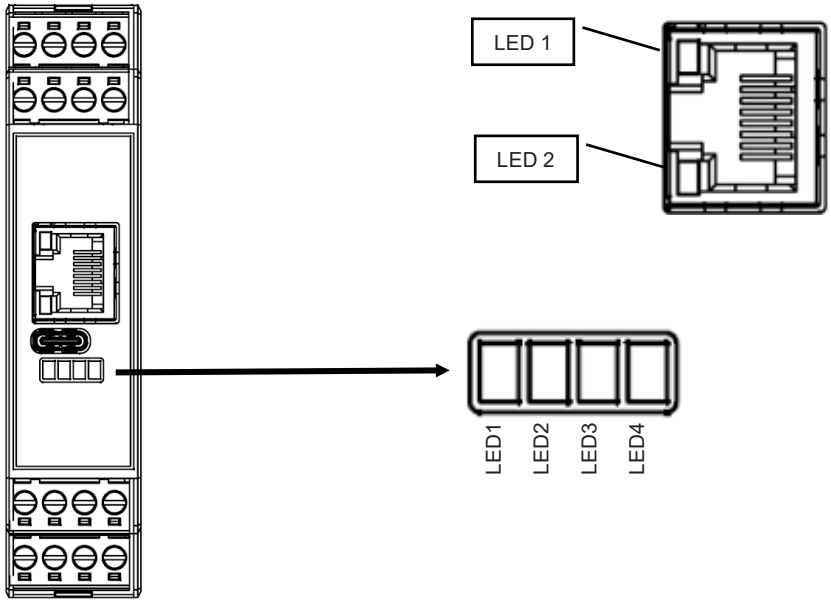
Data Q - DI

LED Status



The LEDs are divided into two colors, red and green red: error reports green: network reports

Red:

- Led 1: WireBreak signaled;
- Led 2: Temperature error signaled;
- Led 3: Voltage error signaled.

Green:

The lighting of the green LEDs varies according to several variables:

Wi-Fi:

- Led 1: On indicates that the network is connected;
- When Led 1 is on, the next 2 leds will vary their operation depending on the connection status and connection type;
- Led 2: Only on if the signal level is medium;
- Led 3: On in conjunction with led 2 if the signal is strong;
- If only LED 1 is on, then the signal level is weak.
- Led 1, 2 and 3 flashing sequentially: Indicates a connection in progress;
- All the LEDs are off, meaning there is no connection or connection attempt.

Ethernet:

- Led 1: On indicates an active connection;
- Led 2 and 3: On indicates that the interface has an IP address.