Higeco

Higeco Security Controller

DS-005-HSC-EN-R09



1 Warnings

- This manual is an integral part of the product and must be kept nearby.
- The device must not be used for purposes other than those intended.
- Check that the power supply voltage is correct before connecting the device.
- In case of malfunction, contact the reseller or Higeco S.r.l. with a detailed description of the fault.
- Keep power cables and RS485 line cables separate.
- Install the device in compliance with applicable safety regulations.
- Do not open the device.
- To ensure the protection of the device and prevent unauthorized access, the device must be installed in a secure location and/or be under constant surveillance. It is the installer's responsibility to ensure that the installation environment provides an adequate level of physical protection against theft, tampering, or unauthorized removal.

2 General description

HSC is a device for advanced industrial monitoring. It is equipped with 3 digital inputs not opto-isolated, an RS485 serial port, an RS422 serial port, and 2 CAN ports. It also has 2 RJ45 ports 10/100/1000Mbit (LAN1,2) and one 10/100Mbit (LAN3) communication ports. Connectivity is provided either via Ethernet ports or by modem, connected by USB port.

3 System LEDs

The device is equipped with 3 LEDs:

LED	Color	Description
Power	Green	Acquisition in progress
	Red	No acquisition
	Off	Not powered
Server	Green	Server connected
	Red	Connection error
Alarm	Green	No alarm active
	Red	Alarm(s) occurred

4 Power supply

The device must be powered with a voltage of 12–24 V dc 10% through terminals 1–2 and/or 3–4 located on the bottom side of the device. The power supply is polarized. The device allows connection to two power supplies operating in parallel.
The power supply must be provided by a source compliant with ES1 (Energy Source Class 1) requirements and classified as PS1 (Power Source Class 1), equipped with short-circuit and overload protection.
The device integrates reverse polarity protection and is internally protected by a safety fuse that is not removable or user-replaceable.

5 Wiring



Upper terminal block:

- **AUX**: PSU for external modem
- **RST**: reset button
- **USB1**: modem connection
- **USB2,3**: 2 USB ports
- **LAN1,2,3**: 3 Ethernet ports
- **PWR, SRV, AL**: status LEDs



Lower terminal block:

- **1-2**: power supply1
- **3-4**: power supply2
- **5-6-7**: CAN1 port
- **8-9-10**: CAN2 port
- **11-12-13-14-15**: RS422 (the indication on the Tx/Rx signals of the RS422 is intended on the slave side)
- **19-20-21-22**: digital input (not opto-isolated)

6 First setup

To configure the HSC for the first time, connect the datalogger to a PC using an Ethernet cable connected to **LAN1** and type from a browser the default address: `https://192.168.200.90`.

The access credentials are as follows:

Username	admin
Password	higeco

Access with serial number
To access using the serial number, it's necessary than both the HSC and the PC have the DHCP enabled. After this, go to `https://sn-XXX.local`, where XXX are the last 3 digits of the serial number (as indicated on the label).

7 Technical specification

- Housing: aluminum
- Mounting: DIN rail, panel
- Protection rating: IP20
- Connections: detachable screw terminal block for wire up to 14 AWG
- Power supply: 12–24 V dc
- Current consumption: 600 mA max
- Digital input: x3, dry contact
- Dimensions: 165x135x58 mm
- Operating temperature: -20°C to +55°C

8 Cyber security

HSC-110 C is a certified product with the ISA Secure scheme. The IEC 62443-4-1 certification guarantees the safety requirements throughout the product development life cycle. IEC 62443-4-2 ensures that the product follows the highest safety standards.

9 Device options

Order code	Device marking	Description
HIPGWC0039	HSC-110 C	HSC-110C 3xETH, 2xCAN, RS485, RS422, I/O, CyberSecurity
HIPGWC0041	HSC-110 C	HSC-110 3xETH, 2xCAN, RS485, RS422, I/O

10 Disposal

The equipment is subject to mandatory separate collection in compliance with current regulations.



11 Certifications

CE

12 Contacts

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