Higeco

GWC V4 2DIN
Generic Web Controller
DS-011-GWCV42DIN-EN-R08



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

The GWC datalogger is a monitoring unit suitable for various application sectors. It features 2 programmable opto-isolated digital inputs, an SPDT alarm relay, and an RS485 serial communication port. Connectivity is provided via the Ethernet port with RJ45 connector or through a GPRS/UMTS/LTE modem connected via the USB port.

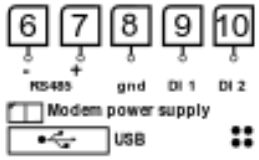
3 System LEDs

The device is equipped with 3 status LEDs:

LED	Color	Description
Power	Green	Acquisition ON
	Flashing red/green	Starting
	Red	Acquisition OFF
Server	Yellow	Server connected
	Flashing Yellow	Connection error
	Off	Server disabled
Alarm	Red	Alarm(s) present
	Off	No alarm

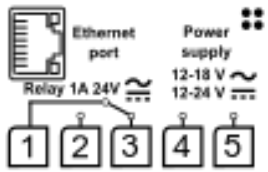
4 Wiring

Upper terminal block:



- 6-7-8: RS485
- 8-9: Digital input 1, opto-isolated
- 8-10: Digital input 2, opto-isolated
- USB: Modem connection
- Modem power supply: modem power input

Lower terminal block:



- Ethernet port: RJ45 connector
- 4-5: Power supply
- 1-3: Alarm relay

5 Power supply

The device can be powered at 12–18 V ac ±10% or at 12–24 V dc ±10% via terminals 4–5 located on the lower part of the device.

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 protection against polarity inversion and a safety fuse that is neither removable nor replaceable.

6 First configuration

To configure the GWC for the first time, connect to the datalogger from a PC using an Ethernet cable through a USB–Ethernet adapter connected to the **USB-1** port.

Using a browser, access the device by entering the default address: `http://192.168.200.90`.

Note: when the connection to the GWC is established directly from the device local network, the browser may automatically redirect the connection to HTTPS and display a warning related to the device certificate.

The login credentials are as follows:

Username	admin
Password	higeco

Access with serial number

To log in using the serial number, both the GWC and the computer must have DHCP enabled. Then, in the browser, enter: `https://sn-XXX.local`, where XXX are the last three digits of the serial number shown on the device label.

7 Technical Data

- Housing: ABS
- Type: 2 DIN
- Mounting: DIN rail
- Protection: IP20
- Connections: detachable screw terminal block for wire up to 14 AWG
- Power supply: 12–18 V ac ±10% – 12–24 V dc ±10%
- Max current consumption: 250 mA*
- Digital inputs 1 and 2: dry contact or pulse counter, opto-isolated
- Alarm outpup relay: max 24Vac/dc - 1A
- Dimensions: 37 × 110 × 63 mm
- Operating temperature: −20 °C ÷ +55 °C

**if a modem is connected to the device, pay attention to its consumption. In particular if used in 2G mode the power supply must ensure max 2A impulse absorption.*

8 Device options

Order Code	Device Marking	Description
PGWC0024	GWC V4 2DIN PGWC00024	GWC 2DIN V4 datalogger, 1 RS485, 2 DI, 1 DO, 5 ADR
PGWC0025	GWC V4 2DIN PGWC00025	GWC 2DIN V4 datalogger, 1 RS485, 2 DI, 1 DO, 10 ADR
PGWC0026	GWC V4 2DIN PGWC00026	GWC 2DIN V4 datalogger, 1 RS485, 2 DI, 1 DO, 20 ADR

9 Disposal

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



14 Certification

CE

10 Contacts

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