

# GWC V4 2DIN

## Generic WEB Controller



### 1 Warning

- This manual is part of the product and should be kept near the instrument for easy and quick reference.
- The device shall not be used for purposes different from those described hereunder. It cannot be used as a safety device.
- Check the supply voltage is correct before connecting the instrument.
- Do not open the device.
- In case of failure or faulty operation send the instrument back to "Higeco S.r.l." (see address at the footer) with a detailed description of the fault.
- Ensure that the wires for loads and the power supply are separated and far enough from each other, without crossing or intertwining.
- The device must be installed in accordance with the safety regulations in force.

### 2 General description

The GWC datalogger is a general purpose monitoring unit suitable for different application fields. It's equipped with 2 programmable digital inputs, a SPDT relay and a RS485 serial port. Connectivity is granted either via ethernet port or by GPRS/UMTS/LTE modem, connected by USB port.

### 3 System LEDs

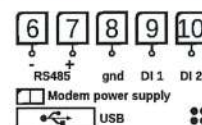
The device is equipped with 3 LEDs:

LED	Color	Description
Power	Green	Acquisition ON
	Green/Red blinking	Starting
	Red	Acquisition OFF
Server	Yellow	Server Connected
	Yellow blinking	Connection Error
	Off	Server Disabled
Alarm	Red	Alarm(s) happened
	Off	No alarm is present

### 4 Wiring

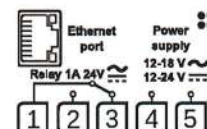
Upper terminal block:

- **6-7-8:** RS485
- **8-9:** Digital input 1
- **8-10:** Digital input 2
- **USB:** modem USB port
- **Modem power supply:** Modem supply



Lower terminal block:

- **Ethernet port**
- **4-5:** Power supply
- **1-3:** Allarm relay



### 5 Power supply

The device must be powered with a SELV type safety transformer with LPS source with protection against short-circuit and overload. The datalogger can be powered at 12-18 Vac  $\pm$  10% or at 12-24 Vdc  $\pm$  10% through terminals 4-5 located in the lower part of the device.

The device is internally protected by a fuse which guarantees its overload safety. This fuse CANNOT be removed and replaced.

### 6 First setup

To configure the GWC for the first time, connect the datalogger to a PC using an ethernet cable and type from a browser the default address: <http://192.168.200.90>

Default credentials are:

Username	user
Password	higeco

Access with serial number:

To access using the serial number, it's necessary that both GWC and PC have the DHCP enabled. After this, go to:

<http://sn-XXX.local>

XXX  $\rightarrow$  The last 3 digit of the serial number (reported to the label).



- **Housing:** ABS
- **Type:** 2 DIN
- **Mounting:** DIN rail
- **Protection:** IP20
- **Connections:** detachable screw terminal blocks, sections  $\leq 2,5\text{mm}^2$
- **Power supply:** 12-18 Vac  $\pm 10\%$  - 12-24 Vdc  $\pm 10\%$
- **Current consumption:** 250mA max\*
- **Digital input 1 & 2:** dry contact or pulse counter
- **Alarm outpup relay:** max 24Vac/dc - 1A
- **Dimension:** 37 x 110 x 63 mm
- **Operating temperature:** -20°C  $\div$  +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.

Order's 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

End of life cycle dispose according to the in force regulations.

