



# **ReStart BUS Interface**

# A system always under control

A supervision system allows to monitor the situation of the electrical circuits in real time and command the devices connected to a centralized point of control (PC/PLC/SCADA).

Additional to their main functions, the protection, the commands and the measurement devices must be able to exchange information internally in the system and carry out all the commands received. In general, the exchange of the data occurs on the BUS network, in order to make integration of the different electrical devices easier, these must be equipped with interfaces which use the same communication protocol.



The modbus interface has to be connected on the right side of the automatic reclosing devices and it only needs the space of one module.

#### Compatibility

The modbus interface is suitable to be connected to all the ReStart devices equipped with the BUS integrated connector.

# The GEWISS solution

In order to facilitate the supervision of the electrical system, GEWISS has developed a new communication interface for its automatic reclosing devices ReStart. This fits perfectly with the supervision system that uses Modbus RS-485 protocol, for example, to measure the energy consumption, the number of operating cycles, and working time of the loads for a more efficient management of the electrical system.

Further than the possibility to configure, monitor and command all the devices of the ReStart range, thanks to the AUTOTEST function, it is possible to carry out from remote the periodical checking of the residual current tripping, without cutting off the power supply during the testing, while keeping the protection reliable in time.

## Functions BUS Interface for ReStart devices allows to:

- Check the status of the circuit breakers (ON/OFF/TRIPPED)
- Monitor the situation in real time of the whole electrical system
- Command from remote the AUTOTEST function and creates a report regarding the working status
- Command from remote open and close operations of the circuit breakers
- Configure the integrated auxiliary contact of the ReStart
- Record the history of the events (failings , alarms, no. of tripping interventions , no. of AUTOTEST carried out etc...)

## **Technical details**

- Product part code: GW 90 992
- Rated operational voltage (Ue): 230V
- Rated operating voltage range: 0,85 ÷ 1,1 Ue
- Rated frequency: 50Hz
- Rated impulse withstand voltage (Uimp): 4kV
- Communication protocol: modbus RS485
- Max number of addresses: 1÷99
- Transmission speed: 38 400 baud rate
- Power loss: 1W
- Operating temperature: -25° ÷ +60°C (average daily temperature ≤ +35°C)

### Software

Available free of charge on **gowlss.com** the GWTEST software, easy and intuitive to use, allows you to manage and share the data among the connected devices and PC.

#### Signals

On front panel of the interface the LEDs indicate the correct and/or abnormalities of communication between the BUS module and the supervision system.







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