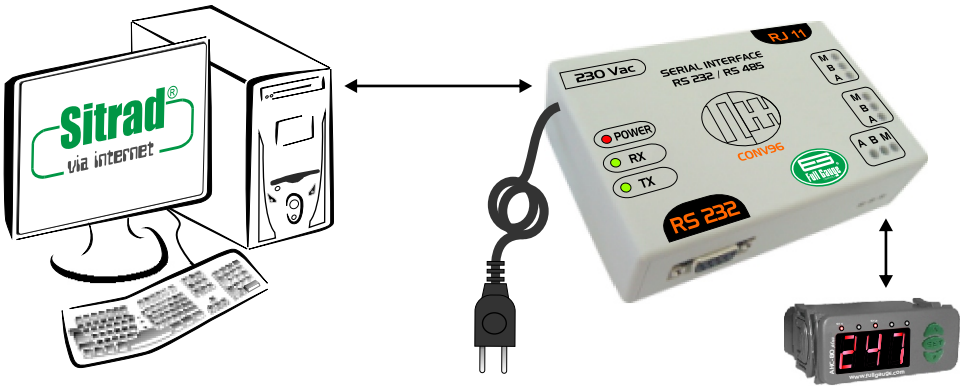
SERIAL INTERFACE RS-232 / RS485

Ver. 02



DESCRIPTION

Through the CONV 96 INTERFACE a personal computer running Microsoft(R)`s Windows 9x, 2K/XP can be connected with any of the Full Gauge`s controllers equiped with serial comunication (controllers with sufix name "Plus"). Since the Full Gauge`s controllers uses the RS-485 serial communication standard the interface is needed to convert the electrical signal to the PC`s serial port standard (RS-232). The RS-485 network was choosen by Full Gauge Controls because it provides 2-wire (half-duplex) long range serial comunication with improved signal integrity and reliability. Using the Full Gauge`s free software SITRAD® it is possible to monitor and change most of the controler`s parameters and features.

TECNICAL ESPECIFICATIONS AND FEATURES

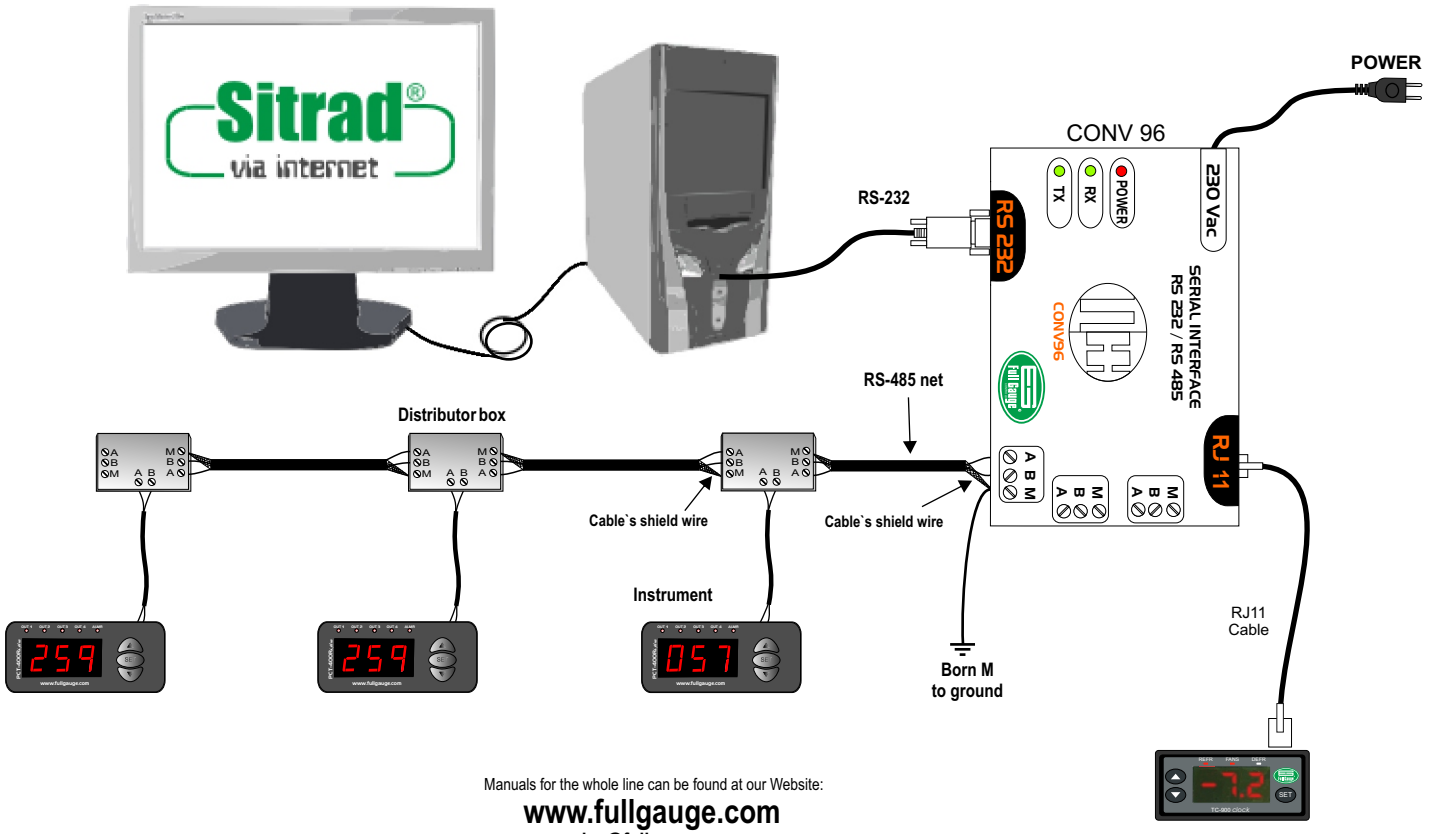
- Power supply: 115 or 230 Vac (specify on order)
- Operation Temperature: 0 to 60°C
- 3 status led: Power-on (POWER), Transmit (TX) and Receive (RX)
- 1 RS-232 port with DB9 type connector (conection cable provided)
- 3 opticaly isolated RS-485 ports with one extra RJ-11 type port.
- Up to 32 controlers can be connected with each of the three RS-485 ports
- 1000 meters maximum cable range for each of the three RS-485 ports

CONNETION SCHEME FOR THE INTERFACE CONV 96

- Connect the "**A**" and "**B**" indicated soquets with the respective "**A**" and "**B**" terminals in the controlers or distribution boxes.

The use of shielded cables is option but recommended, in this case connect the cable`s shield wire into all the "**M**" indicated soquets in the network.

- Connect the RS-232 port on the personal computer using the provided cable
- Connect the interface´s power supply cable into a power jack with the specified voltage.



Manuals for the whole line can be found at our Website:

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MADE IN BRAZIL