



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 equipped with serial communication (controllers with suffix 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 chosen by Full Gauge Controls because it provides 2-wire (half-duplex) long range serial communication with improved signal integrity and reliability. Using the Full Gauge's free software SITRAD® it is possible to monitor and change most of the controller's parameters and features.

TECNICAL SPECIFICATIONS 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 (connection cable provided)
- 3 optically isolated RS-485 ports with one extra RJ-11 type port.
- Up to 32 controllers 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 controllers 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.

