



**ELETRONIKA** SRL



**NEW  
PRODUCT**



## **GENIO Telemetry Accessory**

GENIO is the expansion of Elettronika apparatus control system into non-Elettronika world.

Elettronika control system is represented by the RCU (Remote Control Unit) which is able to control Elettronika apparatuses.

In case non-Elettronika apparatuses, or the environment around the transmitter, have to be controlled, the telemasuring sockets of the RCU may be used. The number of signals on the telemasuring socket of the RCU is often not enough to satisfy all of the control needs of the station. For this reason, the GENIO interface was created.

GENIO is able to control four analog input signals, four digital input signals and four digital output signal. The GENIO interface connects directly to the RCU trough any RS485 port by means of a simple cable.

Since the RCU is provided with eight RS485 ports, it is obvious that up to 8 GENIOs may be connected to the RCU, thus allowing to manage enough signals to satisfy the needs of a radio/television broadcasting station.

Aside from allowing a constant monitoring of signals connected trough the RCU, the GENIO interface is provided with a micro controller in order to allow:

- programming of automatic alarm indication functions
- possibility to link the value of the outputs to the value of the existing GENIO inputs, thus creating a small independent control unit.

### Key features

- on-board flash microcontroller
- 4 analog inputs 0 to 10 V differential
- 4 digital inputs both TTL and free-contact to GND
- 4 digital outputs free contact with both NO and NC available
- 90 to 260 VAC external power supply.
- Power consumption: 1.8W
- RS485 port
  - \* Full duplex (4 wires)
  - \* Baud rate: 19200
  - \* Parity: none
  - \* Number of bytes: 8
  - \* Stop bits: 1
  - \* Flow control: none
- Temperature: 0 to 50 C°
- The equipment is compliant with the EN60215 electrical safety rule