MODEL A 250
H.S. CAENET MANUAL CONTROLLER

FEATURES

- Hand-held unit.
- Control capability: up to 100 Modules/Systems daisy-chained.
- Manual control through front-panel keyboard.

DESCRIPTION

The Model A 250 is a hand-held unit with which it is possible to control and monitor various CAEN modules, via the High Speed CAENET serial link and protocol (1 MB transmission rate). It is particularly suited for setting up experiments, or lab tests.

The unit does not have an autonomous power supply therefore it needs to be connected, via its own power cable, to the power plug of any of the modules or systems in the network.

CAEN models controllable via CAENET at present are:

- Mod. SY 170A, the 64 Channel High Voltage Programmable Divider;
- Mod. N 146A, the Programmable Delay Unit;
- Mod. N 147A, the Programmable Attenuator;
- Mod. N 209, the Programmable Time Difference Analyser;
- Mod. N 210, the Programmable 16-bit I/O Relay Register;
- Mod. N 211, the Dual Programmable Instrumentation Amplifier;
- Mod. N 286, the 8 CH Programmable Amplifier;
- Mod. N 287, the QUAD Programmable ADC-DAC;
Mod. N 402, the 4 CH Programmable Spectroscopy Amplifier;
Mod. PS 35-100 BP, The High Voltage Power Supply;
Mod. PS 100-10 BP, the High Voltage Power Supply;
Mod. A 290, the H.S. CAENET - WIENER Crate Controller.
Mod. SY 403, the 64 CH High Voltage System.

**OPERATING MODE**

After having connected the power cable to the power plug of any of the modules/systems in the network, it is possible to select the module/crate to be controlled by simply entering its own identification number. To do so, press in sequence the appropriate numerical keys followed by the function key "#".

After about 500 ms, the communication is activated (otherwise an error message appears on the LCD display), and the fields correlated with the selected module are shown on the LCD display. At this point it is possible to operate in TERMINAL mode, according to the specific operational commands of the selected module.

The "ENTER" key, in the appropriate field, allows another module to be controlled.

Every 500 ms, the A 250 control unit operates a data refresh in order to constantly monitor the module's status.

**SPECIFICATIONS**

**CONNECTORS:**

1. Female coaxial plug, RCA type (POWER SUPPLY)
2. LEMO 00 type (H.S. CAENET serial line)

**LED displays:**

1. red LED (ACK)
2. red LED (DATA)

**POWER REQUIREMENTS**

+5 V 400 mA

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