i/8 Compact
Process & Strain Gauge Controller

FLOW CHART

Below is a flowchart showing how to navigate through all top level menus by pressing the red and green buttons.

Underline denotes factory default setup

SPECIFICATION

RELAY 250 Vac @ 3 A
Resistive Load, SSR, Pulse, Analog Voltage and Current

OPTIONS

Communication
RS-232 / RS-485 or Ethernet: 5 Vdc @ 40 mA, 10 W
IEEE 488.2 or GPIB: 5 Vdc @ 500 mA, 4 W

Low Voltage Power Option:
12 - 36 Vdc power option, 3 W

APPLICATIONS

Linearization Points:
10 points

DISPLAY

4-digit, 9-segment LED, 21 mm (0.83") with red, green and amber programmable colors

WARNING:
These products are not designed for use in, and should not be used for, patient-connected applications.

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This Quick Start Reference provides information on setting up your instrument for basic operation. The latest complete Communication and Operational Manual as well as free Software and ActiveX Controls are available at newportus.com or on the CD-ROM enclosed with your shipment.

**SAFETY CONSIDERATION**

This device is marked with the international Caution symbol.

The instrument is a panel mount device protected in accordance with EN61010-1:2001. Remember that the unit has no power-on switch. Building installation should include a switch or circuit-breaker that must be compliant to IEC 947-1 and 947-3.

**SAFETY:**

- Do not exceed voltage rating on the label located on the top of the instrument housing.
- Always disconnect power before changing signal and power connections.
- Do not use this instrument on a work bench without its case for safety reasons.
- Do not expose this instrument to rain or moisture.
- Do not operate this instrument in flammable or explosive atmospheres.
- Whenever EMC is an issue, always use shielded cables.
- Never run signal and power wires in the same conduit.
- Use signal wire connections with twisted-pair cables.
- Install Ferrite Bead(s) on signal wire close to the instrument if EMC problems persist.
- In the Run Mode pressing Enter twice to enable Loop Break Menu.
- Press the enter button down for 3 seconds will speed up the rate at which the setpoint value is incremented.
- Press the up button to scroll through flashing selections.
- When a numerical value is displayed press this key to increase value of a parameter that is currently being modified.
- Hold the button down for approximately 3 seconds will speed up the rate at which the setpoint value is incremented.
- In the Run Mode pressing causes the display to flash the PEAK or GROSS value – press again to return to the Run Mode.
- When a setpoint value is displayed press to decrease value of a submenu that is currently being modified.
- When the menu configuration will reset the controller prior to resuming Run Mode.
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- Use signal wire connections with twisted-pair cables.
- Install Ferrite Bead(s) on signal wire close to the instrument if EMC problems persist.
- Whenever EMC is an issue, always use shielded cables.
- Never run signal and power wires in the same conduit.