



*Save! Eliminate costly tech service trips to troubleshoot injection pumps and chemical inventories.*

- **INJECTION PUMP CONTROL**
  - Monitor & Adjust Flow Rates
  - Analog Control Electric Pumps
  - Pneumatic Pump Control
- **CHEMICAL INVENTORY MONITORING**

# Remote Monitoring & Control

This controller is designed for convenient inventory and flowrate monitoring, and flowrate adjustment from a remote location. It is a telemetry device for integration with pumps and valves that deliver the chemicals that are critical to the success of your operation. It is equipped with four levels of security code and password protected.

**Flexible:** the controller can be integrated with most any meter or pulsing instrument to meet the chemical viscosity, flowrate, pressure, material of construction, and control logic of the application.

**Programming:**

- Local / onsite control: the unit is programmed using an intrinsically safe Hand-Held controller.
- Remote control: the unit is programmed using simple software, a modem, and a PC
- The unit will talk to modbus RTU and other protocols via RS-485 communications

**Standard Control Features**

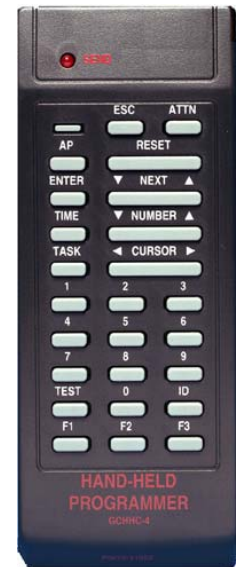
- Closed Loop Control
- Explosion Proof, Class I, Div I & II, Groups B, C, & D
- 2 line by 14 position back lit liquid crystal display
- Ambient operating range of -40°F to 140°F
- Hand-Held IR programmer interface
- Modbus and other protocols
- 4 level 8 password security
- Calibrate on-site - in the application
- Alarm logic
- Expanded I/O usage
- Broad range of flow: cc/min to gal/min
- Pressure to 14,000psi

### Electrical Specifications

- Available with 120 VAC, 240 VAC, 12 VDC, and 24 VDC power
- AC or DC input pacing pulses
- DC driving circuit must sink to within 0.8 volts of DC ground and signal must rise to 4.5 - 30 VDC. Maximum rate of 5 kHz
- Triac AC or Open Collector DC output for alarm, feedback, pump control and valve control
- DC factored additive pulse output
- 12 VDC supply for transmitters or converters
- RS485 2-wire communications
- Up to 32 injectors in multi-drop network
- 2-wire twisted pair RE485 communication cable required

### Environmental

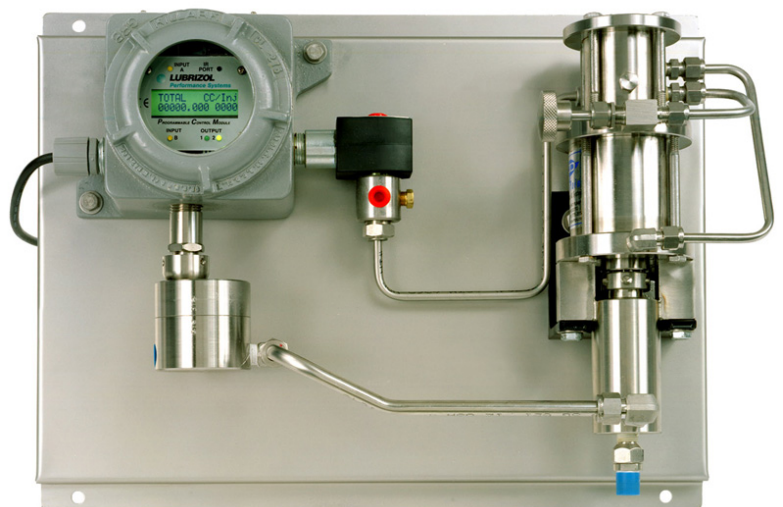
- Ambient Operating Range: -40°F to 150°F
- Humidity: 5 to 95% without condensation



Hand-Held Controller



Remote Monitoring & Control Unit with Pneumatic Pump



- **Enraf Fluid Technology USA Inc.**  
2000 Northfield Court, Roswell, GA 30076 USA  
Ph: (770) 475-1900 Fax: (770) 475-1717

- **Enraf Fluid Technology UK Ltd.**  
6 Pennant Park, Standard Way, Fareham, UK PO16 8XU  
Tel +44 1329 825 823 Fax +44 1329 825 824