

## MYRIAD QLC LEVEL CONTROLLER

### STANDARD FEATURES

- Σ Microprocessor Based
- Σ Graphic LCD Display
- Σ 5 Function keys
- Σ 20 Point Linearization
- Σ Isolated 24VDC Sensor Power
- Σ 4/20MA, 1-5V, 0-5V, 0-10VDC Input
- Σ 4 Analog Input
- Σ 4 Analog Output
- Σ 4 Digital Inputs
- Σ 4 Solid State Outputs
- Σ 4 Relay Outputs 5 AMP.
- Σ Fully User Programmable in English
- Σ 'MV Net' Port RS 485 +User Port



### THE MYRIAD QLC PROVIDES CONTINUOUS LEVEL MONITORING AND CONTROL FROM ANALOG INPUTS

- Displays 4 channels of level in numeric and bar graph format
- Completely user programmable
- Selectable engineering units
- Offers four Form 'C' relay outputs with setpoint and deadband adjustment
- 4 digital inputs with 4 solid state outputs
- 100MA of 24VDC sensor power 'On-Board'
- 20 point user configurable linearizer
- Scaleable 4/20MA retransmit analog output
- Backlit graphical LCD display
- Panel mount 1/4 DIN or Nema 4X housing

The Myriad QLC ushers in a new generation of digital level controllers. From the 1/4 Din 4" X 4" housing with fully removable P.C. board, to the 128 x 32 pixel bitmapped LCD display and simple user set up, the Myriad QLC offers unmatched versatility in level control.

The unit accepts four standard analog input signals and offers isolated retransmission of the signal. 4 relay outputs may be configured for control or alarms and are front panel settable, for 'set' and 'reset' points (differential control).

Graphical and numerical, process displays are standard.

- INPUTS (4 ea.)  
Analog, 4/20MA, 0-5V, 1-5V, 0-10VDC, isolated with common negative, +0.1% accuracy

- INPUTS: (4 ea.)  
Digital 10-30V AC or DC, 120 or 240 VAC (requires external resistor)

# MYRIAD QLC LEVEL CONTROLLER

- **OUTPUTS: (4 ea.)**

Analog, with common negative  
0-20MA, 4/20MA, 0-5V, 0-10V  
(voltage output requires a  
resistor)

- **OUTPUTS: (4 ea.)**

SPDT, Form 'C' 5A relay

- **ACCURACY:**

0.1% of Calibrated Span

- **DISPLAY:**

LCD, 128 X 32 bitmapped  
graphical display

- **LOOP POWER:**

24VDC Regulated output,  
100ma max.

- **5 USER KEYS:**

Up, Down, Left, Right, Enter

- **ACCURACY:**

0.1% of Calibrated Span

- **LOCKOUT:**

User Password

- **INPUT IMPEDANCE:**

Voltage 100K Current 100  
OHMS

- **POWER:**

120/230 VAC

- **ENVIRONMENTAL:**

Operating, 0-65 ° C

Storage, -40 - 80° C

R.H., 0-90% Non Condensing

- **ENCLOSURE:**

1/4 Din, ABS Plastic  
96X96x150mm

- **FRONT PANEL:**

Gasketed Nema 4X

- **ACCESS:**

Chassis & Boards remove from  
front of case

- **TERMINAL STRIP**

(40) 'Pluggable' for Ease of  
Wiring 28 – 16 AWG

- **CONNECTIONS:**

Removable screw terminal  
blocks 28 - 16 AWG wire

- **CONTROL OUTPUTS:**

Four digital outputs user  
programmable, SPDT Form 'C'  
relays 5 AMP

- **ALARM ANNUNCIATION:**

Multiple alarm annunciation on  
graphic screen, on board piezo  
buzzer

- **PROGRAMMING:**

Menu based, all parameters and  
setpoints are user configurable  
via menu prompt and the user  
keys using the preconfigured  
screens and 'pull down' sub  
menus with English prompts  
assures rapid setup and  
commissioning.

- **1 YEAR WARRANTY**

- **OPTIONS**

Include relay output, real time  
clock, expansion cards

- **M.V. Net**

Network allows multiple units to  
be connected together for  
distributed applications.

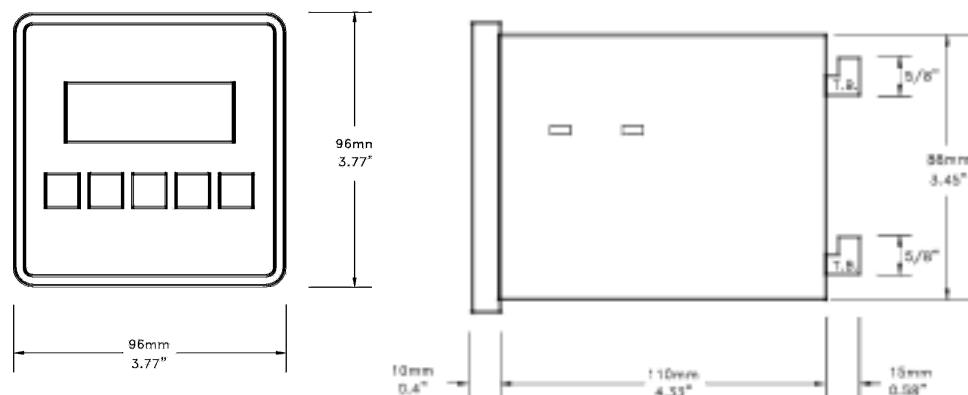
- **EXPANSION CARDS**

Allow up to 8 relay outputs, 8  
digital outputs, 8 analog input  
and 8 analog output in a single  
1/4 din panel mountable case.

## SCREEN SAMPLES

56.7 67.4  
23.4 43.7

MENU 1  
SCALE SETPNTS BACK NEXT AOUT DIN EXIT  
OUTPUT 1 SETPNTS  
SET 34.5  
RESET 12.3  
BACK NEXT Y EXIT



**Sigma Controls, Inc.** 

PROCESS CONTROLS AND INSTRUMENTATION

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