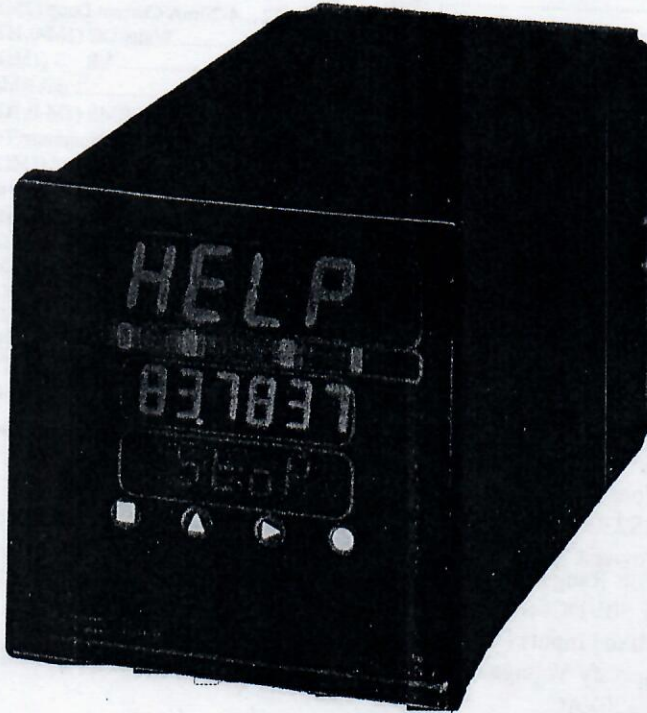


# 1/4 DIN Programmable Intelligent Controller

## Triple 6 Digit + Automatic Tricolor Bargraph

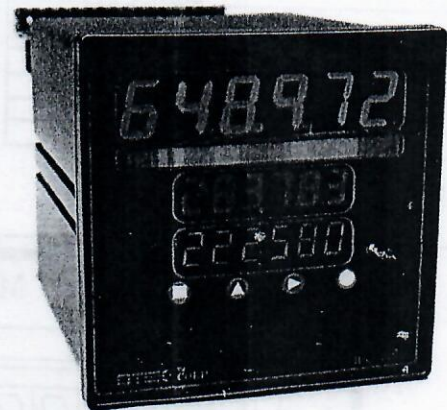
**MODEL  
HI-QDIN**



STANDARD 1/4 DIN

### LED FEATURES

- Triple Six Digit Display (.6":Orange; .4":Red; .4":Green)
- Automatic Tricolor Bargraph(37 Segment Red or Green)
- All Displays Assignable to PV or SP
- Color Coded Displays For Easy Identification
- Programmable Dimming & Blinking



### COMMON FEATURES:

- Isolated 18-bit A/D (50K Counts) w/Signal Conditioners
- Math. Functions: +, -, x, ÷, √ & More
- 5V, 10-32VDC; 24 or 90-265VAC Power (7W)
- Dual Isolated 16 Bit 4-20mA / 0-5VDC Output
- Four 10A Relays or 8-250mA BiMOS
- Isolated RS-232C/422/485 I/O (ASCII)
- Isolated Compliance/Excitation to Power Your Sensors/Transducers
- Plug In Screw Connectors
- 1,2 or 3 Channel Input
- NEMA4X Front Panel
- Menu Driven Keypad

**SPECIFICATIONS:**  
See Pages C&D

### WHAT IS IT ?

- ◆ It is a Programmable Logic Controller(P.L.C.)
- ◆ It is a Computing Controller
- ◆ It is a DCS to Process Interface

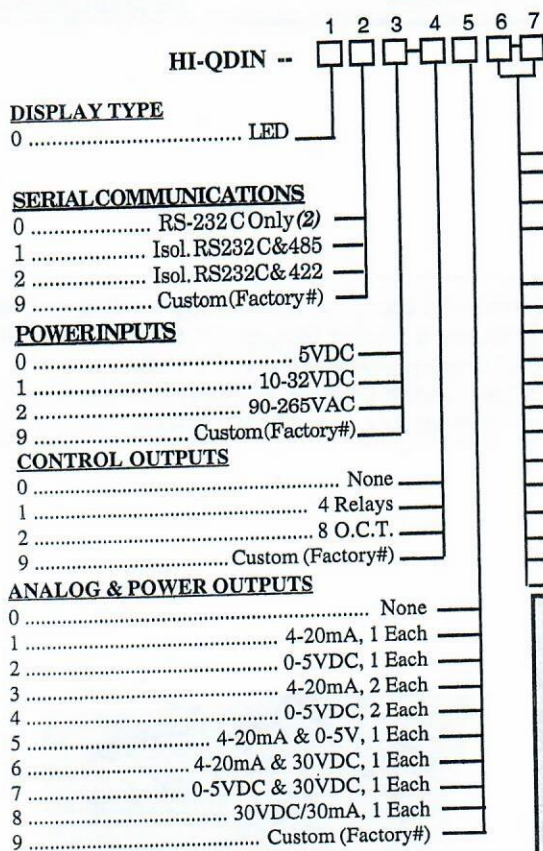
- ◆ It is a Process to SCADA Interface
- ◆ It is a Remote Process Reporter
- ◆ It is a Single Loop Process Controller
- ◆ Or *Just a Meter*

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# HI-QDIN™ ORDERING INFORMATION

## ORDERING INFORMATION (5/00)



### DIGITAL INPUTS (2 Inputs)

- 00 ..... None
- 01 ..... Multilevel
- 02 ..... TTL High Speed
- 09 ..... Custom (Factory #)

### ANALOG INPUTS (1 Channel)(4)

- 10 ..... VDC (1MΩ)
- 11 ..... mADC
- 12 ..... 4-20mA Current Loop (25Ω)
- 14 ..... VRMS (1MΩ)
- 15 ..... mARMS
- 17 ..... Strain-Gage (>200<400Ω)
- 18 ..... Strain-Gage (>1K<5KΩ)
- 20 ..... Resistance (50KΩ)
- 21 ..... Temperature RTD
- 22 ..... Temperature Thermocouple
- 25 ..... mVDC (1MΩ)
- 29 ..... Custom (Factory #)

### ANALOG INPUTS (2 Channels)(4)

- 30 ..... VDC (1MΩ)
- 31 ..... mADC
- 32 ..... 4-20mA Current Loop (25Ω)
- 33 ..... Watts DC (1M-0.1Ω)
- 34 ..... VRMS (1MΩ)
- 35 ..... mA RMS
- 36 ..... Watts RMS (1M-0.1Ω)
- 42 ..... Temperature TC
- 47 ..... mVDC (1MΩ)
- 49 ..... Custom (Factory #)

### ANALOG INPUTS (3 Channels)(4)

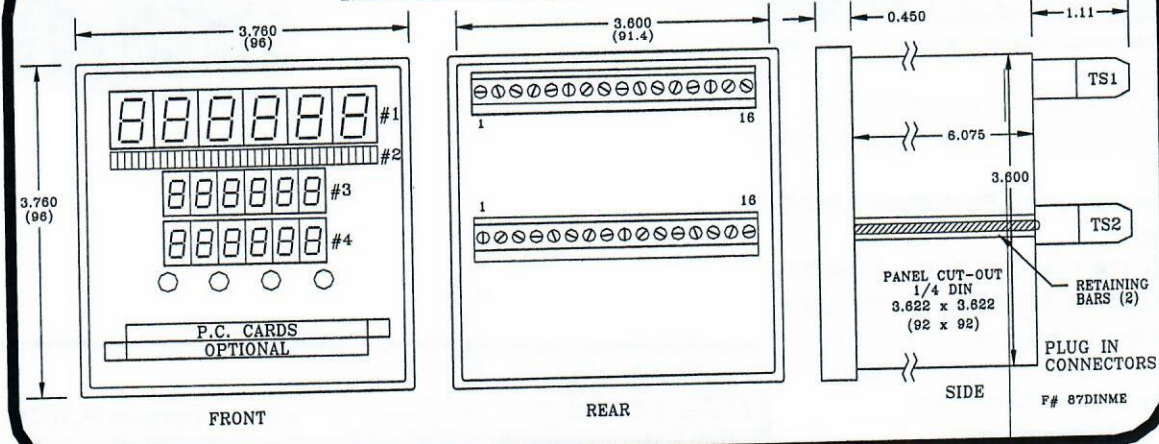
- 50 ..... VDC (1MΩ)
- 51 ..... mADC
- 52 ..... 4-20mA Current Loop (25Ω)
- 53 ..... VRMS (1MΩ)
- 54 ..... mARMS
- 56 ..... Temperature TC
- 69 ..... Custom (Factory #)

#### Note:

1. Consult factory for availability.
2. RS232C Non Isolated, Others Isolated
3. Power Consumption: 10 WATTS Maximum
4. Volt Ranges & Amps are Internal Jumper Range Selectable .5, 5, 10 & 50VDC. Shipped with .5V or 1mA Unless Specified.
5. Mixed Inputs (V&A, Temp & 4-20mA, Etc.) Available.
6. Specify Voltage input. Range option 36 is for use with 5A CT and 120VAC.

\*Specifications subject to change without notice!

## MECHANICAL INFORMATION



#### CASE (See Mechanical Info.)

- Case: Aluminum Extrusion 1/4DIN • Overlay: Polycarbonate, Water & Mild soap Resistant • Gaskets: NEMA4X (IP65)
- Connectors: Two-Piece Plug-in Screw Terminal, Wire Protection • Insulation Resistance: >100MΩ • Isolation Voltage: 1500VRMS

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**OTEEK™** CORP.

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