

# THOR

DIGITAL CONTROLLER  
MODEL L800

## Intelligent Control

Introducing the THOR Intelligent Controller: Your Ultimate Solution for Seamless Control and Application Management. The THOR Intelligent Controller is not just a computer; it's the future of control systems. With its unparalleled ability to manage and support all your control and application needs, right out of the box, it revolutionizes the way you interact with your devices and systems. Boasting compatibility with both digital and analog inputs, a plethora of feed options, and intuitive remote programming capabilities, the THOR Intelligent Controller is your gateway to streamlined and efficient control like never before.

Whether you're in the industrial sector or any field that relies on precise control, THOR empowers you to take command with ease and precision. Welcome to the future of control; welcome to the THOR Intelligent Controller.

### FEATURES

- Digital Ready Controller – plug and play modbus probe set-up
- Supports traditional analog inputs
- Cellular and Ethernet ready out of the box – no gateway required
- Secure Communication Network Services
- Wide range of feed control options
- Remote programming and monitoring – computer and mobile app
- Intuitive programming
- Ethernet and WiFi enabled
- Automatic remote firmware updates
- Simplified ordering
- SNAPSHOT - dynamic graphing and data analysis tool

### APPLICATION

THOR supports a wide range of industrial control and feed applications. Advanced software with intuitive programming supports remote and onsite management for all of your system needs.

Single and Enterprise industrial applications can be managed and monitored using ZEUS, ERP's cloud software. Programming, Monitoring, Analytics, Notifications and more are all included with the THOR Digital Controller. One solution to manage one or all of your field assets.

### DIGITAL PROBE BENEFITS

- Supports Digital Sensors – set up is a snap
- Probe level diagnostics – sensor state, calibration history, days in service and more...
- Programming and calibration is managed with THOR – no extra hardware or software is required

*Over*



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## FEED TYPES

- Set Point (value)
- Scheduled (Biocide)
- Cycles
- Feed on volume (meter)
- Intermittent (boiler application)
- Pre-Bleed (Bleed and Feed)
- Time and Percent (modulated)
- Lock outs and Lock out after feed
- Manual timer (hand mode)
- Analog: Proportional and PID (requires analog module sold separately)
- Re-Transmit (requires analog module sold separately)
- more

## TECHNICAL SPECIFICATIONS

### Operational

- CAT 1 cellular modem with dual antenna
- Ethernet (rj45) – default DHCP
- Modbus TCP/IP
- User configurable IP settings – supports static IP
- 4 - 20 Character LCD Screen
- 1 Ethernet port
- 1 RS232 Port (rj45)

### Mechanical:

- Enclosure: 304 Stainless steel welded construction
- NEMA 4x: paddle lock loop latches
- Dimensions: 12x10x4
- Shipping weight: approx. 12 lbs.

### Electrical

- Input: 100 - 240 VAC 50/60Hz
- Control: Equal to input voltage – Control Relays jointly fused at 6 amps
- Loop Power: 24vdc at 2.5 amps – max 50 watts

### Environmental

- Ambient temperature: 0°- 50° C
- Relative Humidity: 0 - 90% non-condensing

## UNIVERSAL SENSOR INPUT

- Supports most 24vdc loop powered sensors
- Support dry contact (pulse, hZ, pulse width, contact)
- Digital Sensors

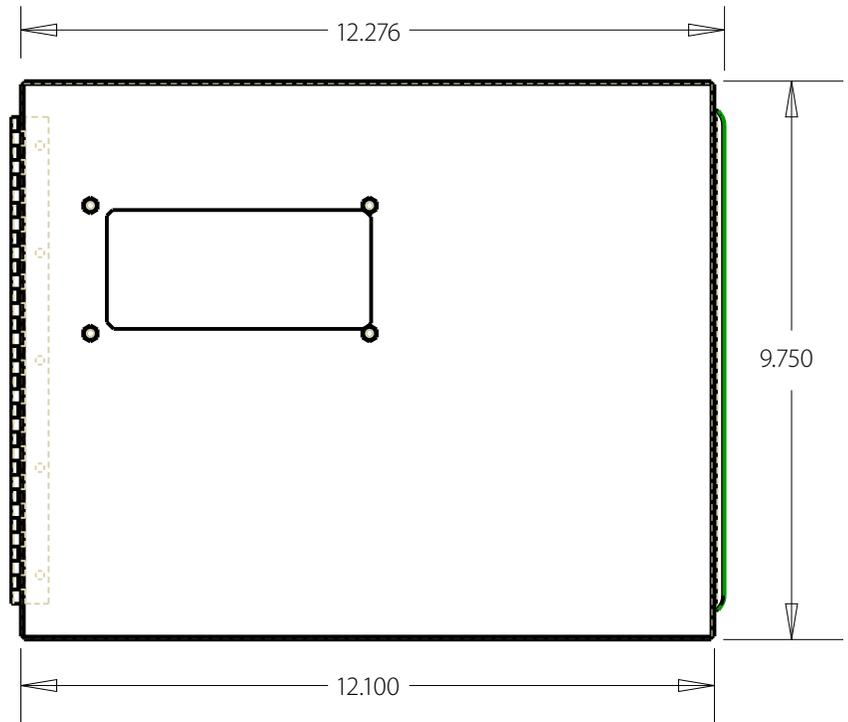
## NUMBER OF INPUTS / OUTPUTS

### Inputs

- 8 Digital Sensors
- 8 Dry contacts
- 8 Analog Inputs (4-20mA loop powered)

### Outputs

- 8 powered relays
- Modbus TCP/IP included (Ethernet)
- 8 Analog out\* (transmit and/or proportional feed)



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