**720 PROGRAMMABLE HMI INDICATOR/CONTROLLER**

**Standard Features**
- LCD display size: Panel mount 3.8" x 1.2" Universal 5.3" x 1.5"
- Four soft keys
- Truck input, 1000 I/O memory
- Programming process control engine - define conditions and actions
- Delta storage onboard, user-defined
- (8) Digital I/O (expandable)
- One option slot for plugable options
- (2) Auxiliary print formats
- Time and date
- Audit trail tracking and alarm storage
- Peak hold
- Rate of change
- Multi-range/Interval
- Local/Remote\n- Functionality:
  - Two full duplex serial ports
  - One remote keyboards port
  - Header for fiber optic, Ethernet or USB

**Options/Accessories**
- Digital I/O, 24 channel
- Dual-channel serial, 20mA, RS-232, RS-485
- Analog output selectable 0-10V, 0-20 mA
- USB Port (PC connection only replaces serial port)
- DC/DC converter kit, 9-36 VDC nominal
- Fiber optic board
- Remote Keyboard
- Filter PreVent™ vent kit

**Communication protocol cards**
- Ethernet TCPP/IP Port (replaces serial port)
- Ethernet TCP/IP module [installed in option slot]
- Allen-Bradley® Remote I/O interface
- Profibus® DP Interface
- DeviceNet® Interface
- Ethernet IP Interface

**Specifications**
- Display Viewable area: Panel mount 3.8" x 1.2" (96 x 30 mm); Universal 5.3" x 1.5" (135 x 38 mm); 240 x 40 px; VGA (Liquid Crystal Display LCD) models with adjustable contrast
- Excitation Voltage: 10 VDC; 14 x 3000 dual cells
- A/D Samp Rate: 7.6 to 960 Hz, software selectable
- Resolution: Internal resolution 8,000,000 counts 13 bit
- Weight display resolution; 5,999,999
- Serial Ports:
  - Two ports on CPU board support: up to 115,200 bps
  - Eight channels on CPU board
- Digital I/O:
  - Eight channels on CPU board
- Circuit Protection: 05L, BMI, ESD protection
- Rating/Material: NEMA 4X/IP66, stainless steel
- Operating Temperature: Industrial: 14°F to 104°F (-10°C to +40°C)

**Enclosure Options**

**UNIVERSAL MOUNT**
- Model Specific Features
- 360° mounting configuration
- Nema 4X enclosure IP66

**A = 11.25"**
- B = 4.625"  
- C = 4.625"
- D = 11.25"  
- E = 4.625"  
- F = 9.25"  
- G = 5.25"

**PANEL MOUNT**
- Model Specific Features
- Optimized panel space
- Display separate from Controller box

**A = 7.25"**
- B = 4.125"  
- C = 4.125"
- D = 7.25"  
- E = 2.375"

**PANEL MOUNT CONTROLLER BOX**
- Model Specific Features
- Locates up to 1,000 feet from display
- Machine screw or clip in 5th rail mount

**A = 12.75"**
- B = 6.375"  
- C = 6.375"
- D = 6.375"

*Electrical approval for Universal **Electrical approval for Panel Mount*

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*Your Rice Lake Weighing systems distributor is...*
The 720i Programmable HMI Indicator


Intuitive, easy-to-use front display
- Character sizes are 3x4" and bar code for easy readability
- USB and Ethernet for easy connectivity

Four (4) Soft Keys
- Soft keys allow operator to easily create time keys and understand functions and selections.

ProAction™
- The fastest, most powerful single-scaler controller available with an onboard process control engine and database storage.

ProAction Control and Database Editor
- ProAction (PDE) is a Windows software program that allows easy programming of steps, conditions and actions. The steps are named in the step list, and step details are selected from a conditions list and action lists.
- ProAction (PDE) makes defining the data base schema easy with a graphical representation. The data can be uploaded, downloaded, imported or exported depending on the current need.

ProAction: The Deterministic Onboard Process Control Engine
- ProAction, the built-in batch engine, allows evaluation of multiple conditions and can perform multiple actions when conditions are met. Up to eight conditions and actions can be selected for any step, and there are a total of 256 steps that can be used. When the conditions are evaluated, ProAction can perform true, false or passed actions. ProAction can bring up prompts, store and retrieve product and job information, compare and accumulate weight, read inputs and control outputs, start tasks depending on time of day or length of task, plus other comparisons.

Bring more ability and agility to any automated system.

Data Collection
- Collecting data from various sources
- Processing and analyzing data

ProAction
- Define multiple conditions to be met
- Define action(s) to have place if conditions are true
- Define action(s) to have place if conditions are false

Parameters of condition

Floor Scale
- Weighing and labeling

Network
- Multi-range (100 lb to 500 Ib)

TRUCK ID
- Tracking and monitoring
- Remote display messaging

Stepping Truck Scale
- Load monitoring

Mixer
- Batch mixing

Stepper
- Linear motion control

ProAction
- Define multiple conditions to be met
- Define action(s) to have place if conditions are true
- Define action(s) to have place if conditions are false

Parameters of condition
720 PROGRAMMABLE HMI INDICATOR/CONTROLLER

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- Four soft keys
- Truck/ind. 10,000 ID memory
- Preaction process control engine - definite conditions and actions
- Data storage onboard, user-defined
- (9) Digital I/O (expandable)
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- (2) Auxiliary print formats
- Time and date
- Audit trail tracking and disk storage
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- Weight display resolution: 9999.99
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- Rating/Material: NEM 4X/316, stainless steel
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Approvals:

*Electrical approval for Universal; *Electrical approval for Panel Mount

Your Rice Lake Weighing Systems distributor is:

RICE LAKE
WEIGHING SYSTEMS
Commitment Beyond Measurement®

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