

PAX2A - Dual Line Display Meter



Go To Market Kit



To Our Distributors and Sales Team:

MARKET INTRODUCTION – PAX2A PAX DUAL LINE DISPLAY METER

Red Lion Controls, Inc. introduces the PAX2A Dual Line Display Meter. PAX2A can display input, total, minimum, maximum or setpoints on a 0.7-inch high 6-digit main LCD display. This main display offers three programmable, easy-to-read colors: red, orange and green. Color change can be tied to the setpoints, providing the operator with a visual display of changing conditions in the application—with updates up to 160 times per second. The panel meter also features a second display line—with a 0.35-inch high 9-digit green LCD display that can also be programmed for any of the above parameters and accommodates totalizing applications that easily exceed a normal 6-digit display. Plus, a 3-digit programmable custom unit indicator is also available.

The dual line display meter provides universal functionality, including universal input. The same meter accepts DC current, DC voltage, process signal, and thermocouple and RTD temperature sensor inputs. PAX2A also supports universal power input—from 50 to 250 VAC or 21.6 to 250 VDC. Built-in Modbus communications in addition to field installable option cards: RS232, RS485, DeviceNet and Profibus allow communications across a multitude of protocols.

HOW TO USE THE PAX2A GO TO MARKET KIT:

All files are available for download from the Distributor Section of our website. To get there, go to www.redlion.net and click on the Distributor Login link in the upper left corner of the page.

- For direct mail campaigns
 - Download and customize the news release with your header and contact info where indicated.
 - PAX2A Dual Line Display Meter artwork. Request part number ADLD0101 from your customer service representative, or download the printable artwork for the product sheet.
- For quick email campaigns
 - Copy and paste the email introduction template into your email system. Add your company name or graphics header and links to your website and email contact.
- To update your company website
 - Add the press release, product photo and description, and link to the product bulletin.
- For seminars, lunch and learns, and sales calls
 - Download the available PowerPoint® presentation, knowledge binder and application solutions.

[company logo]

News Release

News Release

News Release

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Contact: [company contact info]

[company address]

[company email]

FOR IMMEDIATE RELEASE:

Dual Line Display Meter Allows Simultaneous Visualization of Two Separate Parameters

[Location]—[Date]— [Company] announces the PAX2A Dual Line Display Meter from Red Lion. PAX2A can display input, total, minimum, maximum or setpoints on a 0.7-inch high 6-digit main LCD display. This main display offers three programmable, easy-to-read colors: red, orange and green. Color change can be tied to the setpoints, providing the operator with a visual display of changing conditions in the application—with updates up to 160 times per second. The panel meter also features a second display line—with a 0.35-inch high 9-digit green LCD display that can also be programmed for any of the above parameters and accommodates totalizing applications that easily exceed a normal 6-digit display. Plus, a 3-digit programmable custom unit indicator is also available.

The dual line display meter provides universal functionality, including universal input. The same meter accepts DC current, DC voltage, process signal, and thermocouple and RTD temperature sensor inputs. PAX2A also supports universal power input—from 50 to 250 VAC or 21.6 to 250 VDC. Built-in Modbus communications in addition to field installable option cards: RS232, RS485, DeviceNet and Profibus allow communications across a multitude of protocols.

“The PAX2A provides maximum application flexibility, allowing users to stock just one meter for numerous applications,” said Jeff Thornton, Red Lion Product Manager. “The dual line display delivers an ideal solution for applications that require two parameters to be visualized simultaneously. For example, PAX2A can read a flow rate through a pipeline while totalizing the gallons, or indicate the temperature of an oven while also displaying the setpoint value.”

Features that make the PAX2A particularly effective and simple to operate include:

- Universal process inputs: DC current, DC voltage, process signals, resistance, thermocouples or RTDs
- Universal power supply: 50 to 250 VAC or 21.6 to 250 VDC
- Built-in USB port for simple connectivity
- Meter update rate up to 160/second
- Integrated Modbus communications
- Setpoints: dual and quad relay; quad sinking and sourcing
- Retransmitted analog output
- Communications: RS232, RS485, DeviceNet and Profibus

For additional information on the PAX2A or other panel meter solutions, please contact [contact name] at [phone] or by e-mail at [email].

[company description]

PAX2A Product Sheet

Dual Line Display Meter

Model PAX2A



PAX2A—the next generation in panel meters.

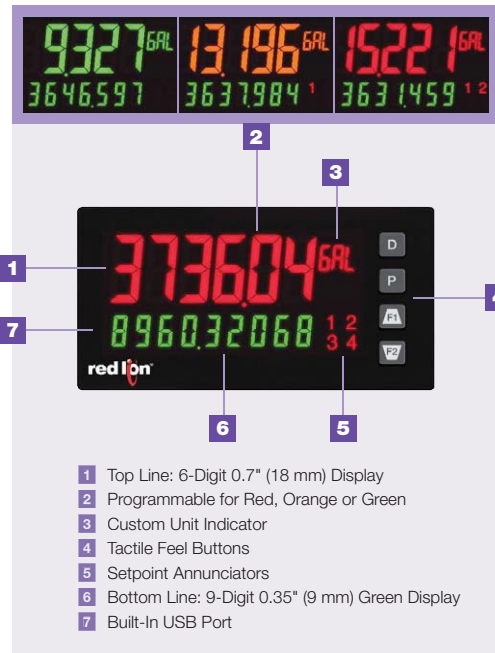
From its dual line display to its universal functionality, the PAX2A is packed full of features that set it apart from any other panel meter. The input, total, min., max. or setpoints can be displayed on the 0.7" high 6-digit main LCD display. The main display also offers three programmable, easy-to-read colors: red, orange and green. The color change can be tied to the setpoints, providing the operator with a visual display of changing conditions in the application. And that's not all! A second display line is a 0.35" high 9-digit, green LCD that can be programmed for any of the above parameters as well. The 9-digit display accommodates totalizing applications that easily exceed the normal 6-digit displays. In addition to the dual displays, the meter also offers a 3-digit programmable custom unit indicator.

Beyond the display, the PAX2A provides the maximum in application flexibility, allowing users to stock just one meter for numerous applications. Featuring universal input, the same meter accepts DC current, DC voltage, process signal, and thermocouple and RTD temperature sensor inputs. Plus, the PAX2A features a universal power input. Whether it's 50 to 250 VAC or 21.6 to 250 VDC, just hook it up.

With its dual display and versatile functionality, the PAX2A delivers an ideal solution for applications that require two parameters to be visualized at the same time. For instance, the PAX2A can read a flow rate through a pipeline while simultaneously totalizing the gallons, or indicate the temperature of an oven while also displaying the setpoint value.

Take the dual line display with color change capability and add the universal capability and other user-friendly features, and you will understand why the PAX2A represents the next generation of panel meters.



- Universal Process Inputs, DC Current, DC Voltage, Process Signals, Resistance, Thermocouples or RTDs
- Universal Power Supply: 50 to 250 VAC or 21.6 to 250 VDC
- Built-in USB Port
- Meter Update Rate up to 160/Second
- Built-in Modbus Communications
- Setpoints: Dual and Quad Relay; Quad Sinking and Sourcing
- Retransmitted Analog Output
- Communications: RS232, RS485, DeviceNet, and Profibus



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red ion[®]
INSIGHT ENABLED

PAX2A E-mail Template

Your Company Name or Header Here	
Dual Line Display Meter Allows Simultaneous Visualization of Two Separate Parameters from Red Lion	
<p>Introducing the PAX2A Dual Line Display Meter, which can display input, total, minimum, maximum or setpoints on a 0.7-inch high 6-digit main LCD display. This main display offers three programmable, easy-to-read colors: red, orange and green. Color change can be tied to the setpoints, providing the operator with a visual display of changing conditions in the application—with updates up to 160 times per second. The panel meter also features a second display line—with a 0.35-inch high 9-digit green LCD display that can also be programmed for any of the above parameters and accommodates totalizing applications that easily exceed a normal 6-digit display. Plus, a 3-digit programmable custom unit indicator is also available.</p> <p>The dual line display meter provides universal functionality, including universal input. The same meter accepts DC current, DC voltage, process signal, and thermocouple and RTD temperature sensor inputs. PAX2A also supports universal power input—from 50 to 250 VAC or 21.6 to 250 VDC. Built-in Modbus communications in addition to field installable option cards: RS232, RS485, DeviceNet and Profibus allow communications across a multitude of protocols.</p>	
PAX2A PAX Dual Line Display Meter	
	<ul style="list-style-type: none">• Universal Process Inputs, DC Current, DC Voltage, Process Signals, Resistance, Thermocouples or RTDs• Universal Power Supply: 50 to 250 VAC or 21.6 to 250 VDC• 6/9 Digit Dual Line/Color Display with 0.7" and 0.35" digits• Variable Contrast and Intensity Display• Meter Update Rate up to 160/Second• Built-in USB Programming Port Enabling Unit Configuration with Crimson Programming Software• Built-in Modbus Communications• Communications: R232, RS485, DeviceNet and Profibus (W/Option Card) <p style="text-align: center;">Download PAX2A Data Sheet</p>
<p>The new PAX2A is just one of the many industrial display and control solutions offered by Red Lion and <Your Company Name Here>.</p> <p>Do you have questions or need to discuss a particular application for the PAX2A? Please contact <Your Email Address Here>.</p> <p>We look forward to working with you.</p>	
<p><Your Company Name Here> <Address> <City, State Zip> <Phone> <Fax> <Email></p>	<p>Be sure to visit our web site at: <www.YourWebSiteHere.com></p> <p><Your Company Name Here> is an Authorized Red Lion Distributor: www.redlion.net</p>

All New PAX2A



All New Dual Line Display



Sure, a few other manufacturers have this, but do they have ...



All New PAX2A



Universal Power Supply

- 50 to 250 VAC
- 21.6 to 250 VDC
- No polarity



All New PAX2A



Universal Input

- DC current and DC voltage
- Process Signals
- Thermocouples and RTDs
- Resistance



All New PAX2A



Selectable Update Rates

- A/D conversion rates up to 160/sec



All New PAX2A



Universal Display

- Top line 0.7", bottom line 0.35"
- Program for red, orange, and green
- Brightness and contrast adjustment
- Programmable units indication



All New PAX2A

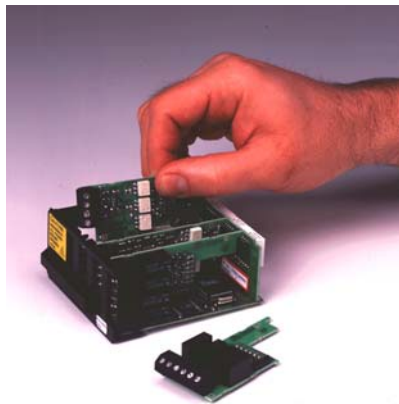


Even more features

- Built-in USB programming port
- Modbus as standard protocol
- Same easy PAX-style programming
- Programmable by Crimson Software



Add options now or later



with easy plug-in cards



Innovation/Flexibility

PAX Series

Communication Cards

RS232



RS485



DeviceNet



Modbus



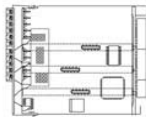
Profibus



USB



Analog Output



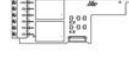
Field Upgradeable Option Cards



Counters

Setpoint Cards

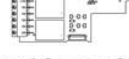
Dual Relay



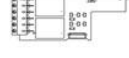
Quad Relay



Quad Sink OC

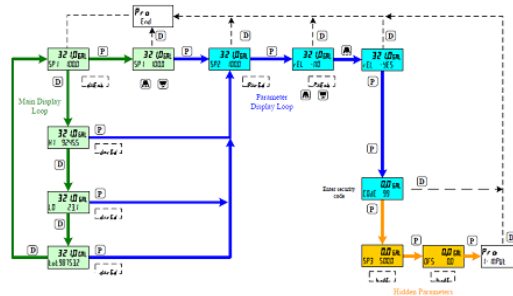


Quad Source OC



Custom Units Labels

Easy Operation



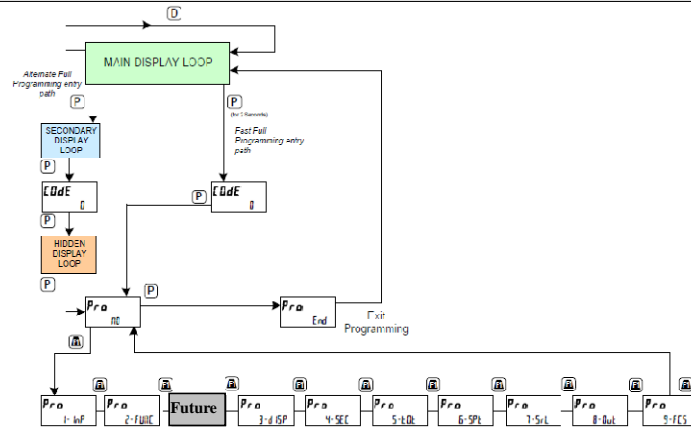
Three Loops of Operation

- Display Loop used for normally viewed items
- Parameters Loop for items that need to be changed
- Hidden Loop for items that need to be protected



Programming Overview

5.0 PROGRAMMING THE PAX2



All New PAX2A

And best of all...



everything you have just seen in one part number!



All New PAX2A

The Part Number is PAX2A000...



the next generation in panel meters!





APPLICATION SOLUTIONS

Application #1 – Tank Monitoring



Many applications require monitoring two variables at the same time. In this case, being able to monitor the flow rate into the tank and the total material in the tank is extremely helpful to the operator. The new PAX2A can easily be programmed to display both variables at the same time; using the top line display to measure the flow rate in gallons per minute, while the second line can track the total gallons already in the tank. Not only can both these variables be monitored, they can be controlled as well with the addition of a setpoint card. Using a HI and Lo setpoint to keep the flow rate within the desired limits and assigning alarms to the total display will insure the tank does not run out or overflow. By adding a communication card, all the variables can be monitored or changed from a remote location.

Sure PLCs could do this job, but then you have the cost of the PLC, including software, support, programming and maintenance. Any one can program and maintain a panel meter eliminating the overall cost burden.

Application #2 – Liquid Filling



Proper material level is essential to a production line to insure every product is properly packaged. The PAX2A can accept the input from an ultrasonic sensor and stop the filling process when the liquid reaches the proper height. Using the PAX2A as the controlling device, the setpoint can provide the stop once that level is reached. The top line can indicate the actual level during the filling process, while the bottom line displays the goal or setpoint.

Application #3 – Motor Temperature Monitoring



Maintaining the proper motor temperature can help prolong the life span of a motor. As friction builds over time, the motor tends to increase in temperature. Once the temperature gets to a certain point, damage may occur leading to costly repairs or replacement. By monitoring the temperature, maintenance can be scheduled before any issues may arise. In this case, setpoints could be added to alert operators that it is time for service. A second setpoint could be added to automatically shutdown the motor once it reaches a critical temperature.