



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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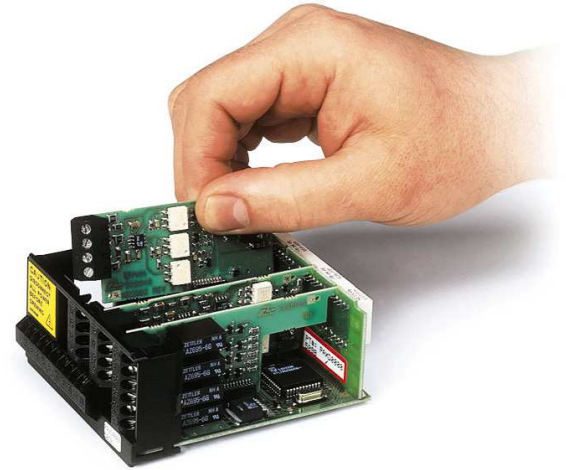
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## ▶▶▶ Field-Installable FlexCard Modules

Red Lion's FlexCard modules quickly expand the functionality of PAX2C PID controllers to meet application requirements.

Red Lion's PAX2C PID controllers offer the capability to add and change FieldCard modules and PAX option cards as your application and communications requirements change. Red Lion's field-upgradeable solutions are the perfect alternative to competitive meters that require a new meter every time conditions change.



### APPLICATIONS

- > Factory Automation
- > Flow and Temperature
- > Manufacturing
- > Process Control

### PRODUCT HIGHLIGHTS

- > Field-Installable FlexCard Modules Provide:
  - Optional Heater Current Monitor
  - Optional Secondary Process Input
  - Optional Full PID Controller
- > Plug-and-Play Installation
- > Crimson® Software Programmable

### FEATURES & BENEFITS

- > Field-Installable FlexCard Modules
  - Allows PAX2C PID controllers to quickly meet any PID control application requirement
  - Reduces inventory requirements and expands available PID control monitoring
- > Plug-and-Play Installation
  - FlexCard modules can be installed in any available card slot
- > Variety of FlexCard Module Options
  - Heater current module provides warning and alarm before heater elements fail
  - Integrate multi-zone PID control into a single PAX2C display reducing space and complexity
  - Remote setpoint module offers secondary process inputs or remote setpoint input
- > Easily Programmed
  - Easily configured using Crimson software or keypad on face of meter
  - Simple and intuitive programming

# ▶▶▶ Field-Installable FlexCard Modules

## POWER

Power for the card is provided via PAX2C controller

## OUTPUT SPECIFICATIONS (APPLIES TO ALL MODULES)

Four Solid-State NFET Outputs

Type: Switched DC, N channel open drain MOSFET  
 Current Rating: 1 ADC max  
 VDS On: < 0.2 V @ 1A  
 VDS Max: 30 VDC  
 Offstate Leakage Current: 0.5 µA max

## OUTPUT POWER SUPPLY

+Volt: 18 to 25 VDC @ 40 mA max

## CONNECTIONS

Rear Terminals: Fixed

Type: High compression cage-clamp terminal block  
 Wire Strip Length: 0.31" (8 mm)  
 Wire Gauge Capacity: 26 to 16 AWG (0.14 to 1.5 mm<sup>2</sup>)  
 Torque: 4.4-5.3 inch-lbs (0.5-0.6 N-m)

Top Terminals: Removable

Type: Spring - cage terminal block  
 Wire Strip Length: 0.27" (7.0 mm)  
 Wire Gauge Capacity: 24 to 16 AWG (0.2 to 1.5 mm<sup>2</sup>)

## CERTIFICATIONS AND COMPLIANCES

Complies with all certifications and compliances of the host PAX2C controller

## PX2FCA00 PROCESS INPUT/PID CONTROLLER FLEXCARD: SPECIFICATIONS

Input Ranges: 0 to 10 VDC, 0 to 20 mA DC  
 A/D Conversion: 16 bit, 6.8 samples/sec  
 Input Specifications:

| Input Range | Accuracy @ 0-50°C | Input Impedance | Max Input Signal |
|-------------|-------------------|-----------------|------------------|
| 10 V 20 mA  | 0.1% of span      | 538 KΩ 10 Ω     | 30 V 150 mA      |

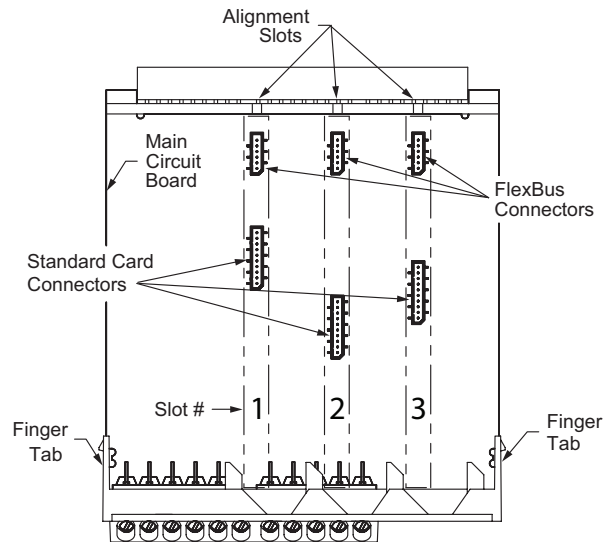
## PX2FCA10 HEATER CURRENT MONITOR FLEXCARD: SPECIFICATIONS

A/D Conversion: 16 bit, 6.8 samples/sec

Input Specifications:

Type: Single phase, full wave monitoring of load currents  
 Input: 100 mA AC output from current transformer  
 Input Resistance: 5 Ω  
 Accuracy: ±2.0% full scale, 5 to 100% of range  
 Frequency: 50 to 400 Hz  
 Overload: 200 mA (continuous)  
 Output on time delay for break alarm: 1 second)

## INSTALLATION DIAGRAM



## ORDERING GUIDE

| PART NUMBER | DESCRIPTION                           |
|-------------|---------------------------------------|
| PX2FCA00    | Process Input/PID Controller FlexCard |
| PX2FCA10    | Heater Current Monitor FlexCard       |



[www.redlion.net](http://www.redlion.net)

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As the global experts in communication, monitoring and control for industrial automation and networking, Red Lion has been delivering innovative solutions for over forty years. Our automation, Ethernet and cellular M2M technology enables companies worldwide to gain real-time data visibility that drives productivity. Product brands include Red Lion, N-Tron and Sixnet. With headquarters in York, Pennsylvania, the company has offices across the Americas, Asia-Pacific and Europe. Red Lion is part of Spectris plc, the productivity-enhancing instrumentation and controls company. For more information, please visit [www.redlion.net](http://www.redlion.net).

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