



## 48/96 Channel Relay Driver

- ◆ **96 Open-Collector Driver Channels or 48 High-Voltage/Current Open-Collector Driver Channels**
- ◆ **Drives up to 50 V and Sinks up to 1.5A per Channel**
- ◆ **Standard Adapt-a-Switch® Plug-in Design for Ease of Replacement**
- ◆ **Supports “Path-Level” Switching**

Racal Instruments 1260-115A/B is a 48/96 channel relay driver plug-in designed for use in the VXI Adapt-a-Switch® carrier (Racal Instruments 1260-100 or 1260-101) and the 1256 GPIB/Ethernet Switching System.

The 1260-115A has open collector outputs and provides 96 relay driver channels. This version can utilize a separate external pull-up supply of up to 32 VDC for each independent group. The 1260-115B has high voltage/current open collector (HVOC) outputs and provides 48 channels. This version can utilize a separate external pull-up supply of up to 50 VDC.

The Option-01T interface (for VXI) controls the 1260-115A/B using either register-based or message-based commands. The 1256 (for GPIB/Ethernet) supports message-based operations. Refer to the Option-01T/1256 literature for more information about product specifications and features such as include, exclude, and scan lists, user-defined path names and reset states.

When the open-collector outputs of the 1260-115A/B are used to control externally mounted switches, all switch paths within the system may be defined by name using the path feature. This makes “path-level” switching possible for ease of system configuration and troubleshooting.

The 1260-115A/B plugs easily into a VXI Adapt-a-Switch Carrier or Racal Instruments 1256 GPIB/Ethernet Switching System. Please refer to the corresponding literature for specifications and product features.

The Adapt-a-Switch series includes VXI plug&play support for WIN95/98/NT/2000 frameworks, including drivers for LabWindows/CVI and LabVIEW.

# 1260-115A/B PRODUCT SPECIFICATIONS

## INTERFACE DATA

### Cooling

See 1260-100 cooling data

### Power Requirements

+5 VDC at 0.5 A maximum with all channels sourcing maximum loads

## INPUT/OUTPUT

### Available I/O Channels

1260-115A: 96 open-collector channels

1260-115B: 48 open-collector channels

### Driver Current

1260-115A: 200 mA maximum

1260-115B: 1.5 A maximum

## ENVIRONMENTAL DATA

### Temperature

Operating: 0 ° C to 55 ° C

Storage: -40 ° C to 75 ° C

### Relative Humidity

85% ±5% non-condensing at <30 ° C

### Altitude

Operating: 10,000 ft.

Non-Operating: 15,000 ft.

### Shock

30 g, 11 ms, 1/2 sine wave

### Vibration

0.013 in. (pk-pk), 5-55 Hz

### Bench Handling

4-inch drop at 45 °

## EMC

### Emissions

EN61326: 1997+A1: 1998

Class A

### Safety

EN61010-1: 1993+A2: 1995

## RELIABILITY

### MTBF

783,668 hrs. (MIL-STD-217E)

### MTTR

<5 min.

## MECHANICAL

### Weight

6 oz. (0.21kg)

### Dimensions

4.5" H x 0.75" W x 9.5" D

### Front Panel I/O Interface Connector

160-pin DIN Connector

Note: Each switch card uses one mating connector.

Output Voltage	1260-115A	1260-115B
Vout (high)	5VDC ≤ Voh ≤ 32VDC	2 ≤ Voh ≤ 50VDC
Vout (low)	≤ 1.5VDC @ 200mA	≤ 0.5VDC @ 1.5A

Input Voltage	1260-115A	1260-115B
Vin (high)	≥ 2VDC	≥ 2VDC
Vin (low)	≤ 0.8VDC	≤ 0.8VDC
Vin (max)	32VDC	50VDC

## ORDERING INFORMATION

### MODEL/DESCRIPTION

Racal Instruments 1260-115A, Adapt-a-Switch Module, Open Collector  
 Racal Instruments 1260-115B, Adapt-a-Switch Module, High Voltage Open Collector  
 160-pin Connector Kit w/Strain Relief  
 160-pin Cable Assembly (low-cost, flex), 6 ft., 24 AWG  
 160-pin Cable Assembly, 6ft., 24 AWG  
 160-pin Cable Assembly, 12 ft., 24 AWG

### PART NUMBER

407924-001  
 407924-002  
 407664  
 407809-001  
 407408-001  
 407409-001

\*One Option 01T must be ordered with switch system. Please specify the card on which the Option 01T will be installed.

**CE** The CE Mark indicates that the product has completed and passed rigorous testing in the area of RF Emissions, Immunity to Electromagnetic Disturbances and complies with European electrical safety standards.

The EADS North America Defense Test and Services policy is one of continuous development, consequently the equipment may vary in detail from the description and specification in this publication.



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