

Relay Actuator Module

- ◆ **Ideal for General Purpose Switching and Control of External Devices**
- ◆ **Each Channel Switches up to 2A and 220 VDC or 250 VACrms**
- ◆ **20 Channels of DPDT Relays**
- ◆ **Easily Configured to Meet User-defined Network Requirements**
- ◆ **Channels Switched Jointly or Independently**

The 1260-12 is designed for general purpose signal switching and control of external devices. The module provides twenty channels of DPDT switches. The module features separate connections to both sides of the relay contact permitting each channel to be joined with others or to function independently. Custom relay switch networks may be configured with some relays while all remaining channels continue independent operation.

Each channel of the 1260-12 may switch up to 220VDC or 250VACrms at 2Amps

Relay coils are monitored to provide user selectable confidence checking which gives the user assurance of proper relay operation.

The 1260-12 is controlled by the Option 01 message-based interface which is explained in detail on the Smart Card Module page. All 1260 control features explained on the Option 01 page are available to this module

1260-12 PRODUCT SPECIFICATIONS

Maximum Switchable Voltage

(Terminal-Terminal or Terminal-Chassis)
220VDC or 250VACrms

Maximum Switchable Current

(DC or ACrms)
Per Channel: 2A

Maximum Switchable Power

Per Channel: 60WDC, 62.5VAC

DC PERFORMANCE

Path Resistance

200mΩ at 2A

Isolation

109

AC PERFORMANCE (into 50Ω)

Capacitance

Open Channel: <25pF
Channel-Chassis: <25pF
High-Low: <50pF

Bandwidth (-3dB)

35MHz typical

Insertion Loss

100kHz: <0.2dB
1MHz: <0.25dB
10MHz: <0.5dB

Crosstalk

100kHz: <-75dB
1MHz: <-60dB
10MHz: <-40dB

VXIBUS INTERFACE DATA

Cooling Requirements

Airflow: 1.0 liters/sec
Backpressure: 0.05mm H₂O

With Option 01S/T

Airflow: 2.0 liters/sec
Backpressure: 0.2mm H₂O

Power Requirements (I_{pm})

+5V: 0.4A (2.8A w/Opt. 01 installed)
+24V: 10 mA per relay (energized)

Dimensions

C-size, Single-slot VXIbus Module

Weight

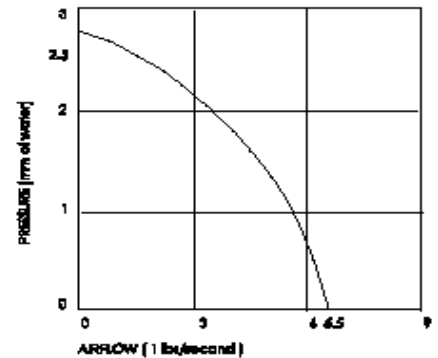
2.59 lb (1.17 kg) without Option 01
2.87 lb (1.30 kg) with Option 01

Typical Programming Syntax

Programming syntax is in the form:
“<module address>.<channel>”
Example: CLOSE 3.02
This CLOSE statement will close
channel number 2 on the 1260-12
module at card address 3.

Note: Module is supplied with one
set of mating connectors.
Additional connectors can be
ordered using the part numbers
shown below.

Airflow Curve: (Worst Slot)



1261E Cooling Curve

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.

ORDERING INFORMATION

MODEL/DESCRIPTION

Racal Instruments 1260-12, 20 Channel, DPDT
Racal Instruments Option 01* Smart Card Module (installed)
34-Pin User Connector Body Part (4 supplied),
User Connector Solder Type Pins (136 Supplied),
Insertion Tool
Extraction Tool

PART NUMBER

404774
OPT-401901-005
601855-034
601857
9099-1
9099-1

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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