

# DVS-005I00-Fast Etherment 5 Point

## Descriptions

Supports IEEE802.3x full/half-duplex, auto-MDI/MDI-X. Excellent ruggedized hardware design of 12 to 48 VDC redundant power inputs and a wide-operating temperature from -40°C to 75°C without the use of internal fans are providing superior reliability. DIP switches for built-in alarm relay function, assisting network engineers with notification when port link-down and power failures occur.

## Features

- \*12 to 48 VDC terminal block power input
- \*Compatible with various industrial protocols of EtherNet/IP, Profinet, CC-LINK IE and DNP 3.0



## Specifications

### Technology

#### Standard Compliance

IEEE 802.3 10Base-T  
IEEE 802.3u 100Base-T(X) and 100Base-FX  
IEEE 802.3x Flow Control

### Interface

Fast Ethernet Ports  
RJ45 Ports: 5 10/100Base-T(X), auto MDI/  
MDI-X, auto negotiation

### Power Requirements

Input Voltage: 1 set, 12 to 48 VDC terminal block  
input  
Input Current: Max. 0.24A  
Overload Current Protection: Present, Max. input  
current 3A  
Reverse Polarity Protection: Present  
Buffer Time: Min. 13ms at 24VDC

### Processing Type

Store and Forward  
IEEE 802.3x Flow control in full duplex, back-pres-  
sure flow control in half duplex  
Interface

### Performance and Scalability

Switching Capacity: 1Gbps, Wired speed, Non-  
blocking switching fabric  
Forwarding Rate: 1.5Mpps  
MAC Address Table: 1K  
Packet Buffer Memory: 512K bits

### Physical

Housing: IP40 aluminum metal case  
Dimensions: 145.3 mm(H) × 45 mm(W) × 108.7  
mm (D)  
Weight: 300g  
Installation: Industrial DIN-Rail and wall mounting

### Environmental Limits

Operating Temperature: -10°C to 60°C (14°F to 140°F) , tested @ -25°C to 70°C (-13°F to 158°F)

Storage Temperature: -40°C to 85°C (-40°F to 185°F)

Ambient Relative Humidity: 5% to 95%(non-condensing)

### Approvals

Safety: UL 508, EN 60950-1, IEC 61131-2

EMI: FCC 47 CFR Part 15 Subpart B Class B, IEC 61000-6-4, EN 55022

EMS: IEC 61000-6-2

### Environmental Type Tests

Cold Temperature: IEC 60068-2-1

Dry Heat: IEC 60068-2-2

Humidity: IEC 60068-2-30

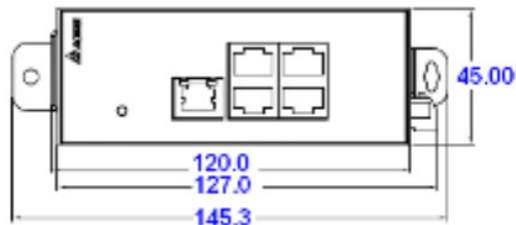
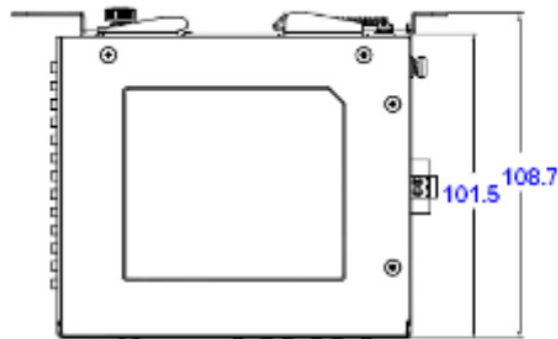
Shock: IEC 60255-21-2

Freefall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Hi-Pot: 1.5KV

### Dimension

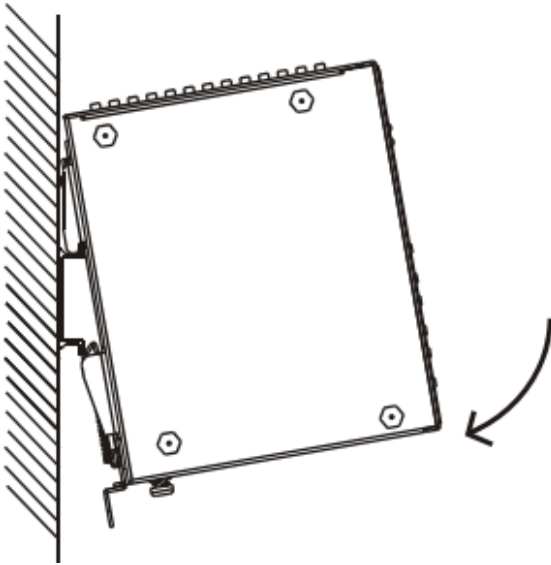


145.3 (H) x 45 (W) x 108.7 (D) mm

## Installation

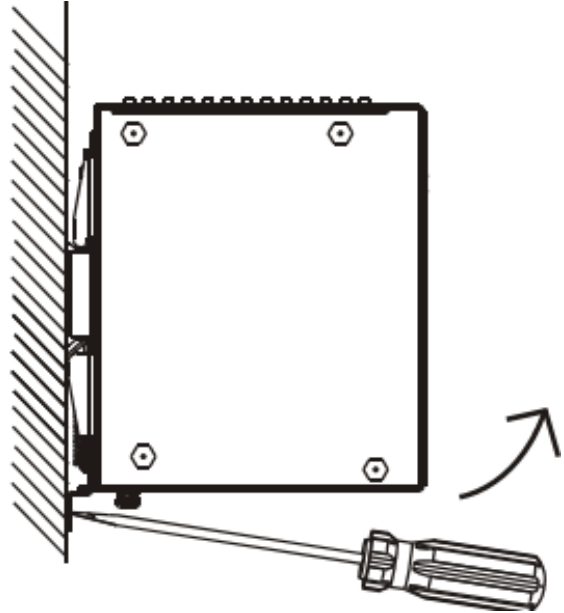
### DIN-Rail Mounting

Step1: Hook the upper end of the DIN clip of the DVS series switch on the DIN-Rail  
Step2: Lightly push the Dvs series switch toward the DIN-Rail until they contact each other closely



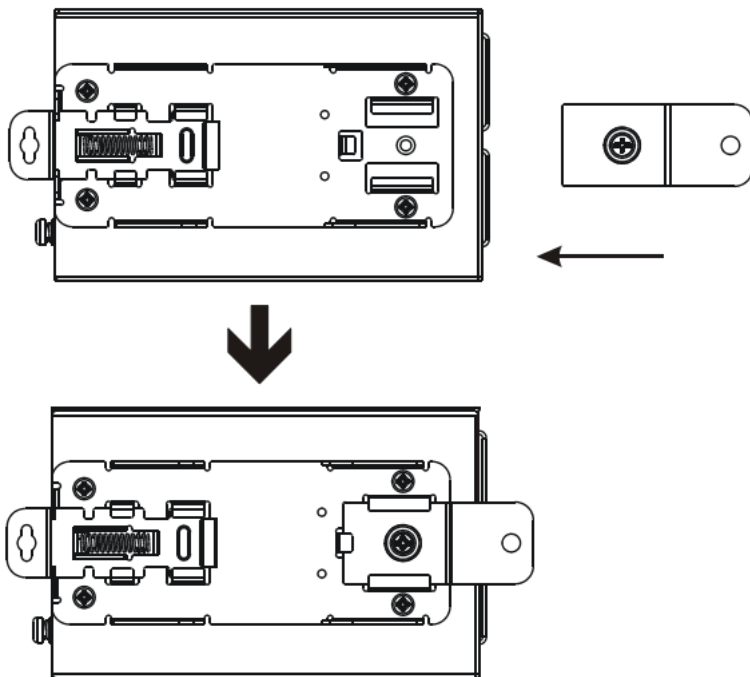
### DIN-Rail Mounting Removal

Step1: Insert the flat-blade screwdriver into the DIN clip and pull the DIN clip downward  
Step2: Pull the DVS series switch, and you can remove it from the DIN-Rail.



### Wall Mounting

Step1: Insert the wall mounting bracket into the slot on the rear panel of the DVS series switch, and tighten the screw on it, as shown in the diagram below.  
Step2: Place the wall mounting bracket in an appropriate position, and tighten the two screws on the bracket and the DIN clip.



## LED Indicators

LED	Color	Status	Description
PWR	Green	ON	The power is supplied normally
		OFF	The power is not supplied
100M	Orange	ON	The port is connected at a speed of 100Mbps
		OFF	The port is connected at a speed of 10Mbps or disconnected
10/100/1000M	Green	ON	The port is connected at a speed of 1000Mbps
	Orange	ON	The port is connected at a speed of 10or100Mbps
LINK/ACT	Green	ON	The Network communication connection has been established
		Blinking	The data is being transmitted
		OFF	The Network communication connection has not been established