

# Compact 5-port Ethernet Switch

## Westermo SDI-550

- 5-port 10/100TX Compact Fast Ethernet switch
- 3.2 Gbit/s Switch Fabric with excellent data exchange performance
- Variable power input, AC 18 – 27V / DC 18 – 32V
- Fault relay alarm
- Aluminum case with IP-31 grade protection
- –25 ~ 70°C operating temperature



The Westermo SDI-550 is a simple unmanaged 5-port 10/100Base-TX Ethernet switch. Its compact IP31 rated aluminum case allows the unit to be fitted into a very small space on an industry standard DIN rail.

The Westermo SDI-550 can operate with variable power sources being able to accept AC 18 ~ 27V or DC 18 ~ 32V on a removable connector block.

A single relay output is provided to allow port link down events to be indicated, This function is configured by a simple DIP switch.

The switch requires no user setup and will immediately start to operate on power up. The 3.22 Gbit/s switch core ensures that no data delay occurs within the switch.

## Specifications

Technology	
Standard	IEEE802.3 10Base-T
	IEEE802.3u 100Base-TX
	IEEE802.3x flow control
Switch Technology	Store and forward technology and with 3.2 Gbit/s switch fabric

Interface	
Number of Ports	5 x 10/100 Base-TX with Auto MDI/MDI-X, Auto-Negotiation function
Connectors	10/100 Base-TX: RJ-45 Power/Relay: 4-pin terminal block
Cables	CAT-3, CAT-4, CAT-5 unshielded twisted pair or shielded twisted pair cable. The Link distance is 100 meters in maximum
Diagnostic LED	System: Power (green), Fault (red on) RJ-45 port: 100 Mbit/s Link (green on) / Activity (green blinking) 10 Mbit/s Link (yellow on) / Activity (yellow blinking)
Port Alarm DIP Switch	DIP 1~5: Port Event Alarm Control On: Enable port link down alarm Off: Disable port link down alarm

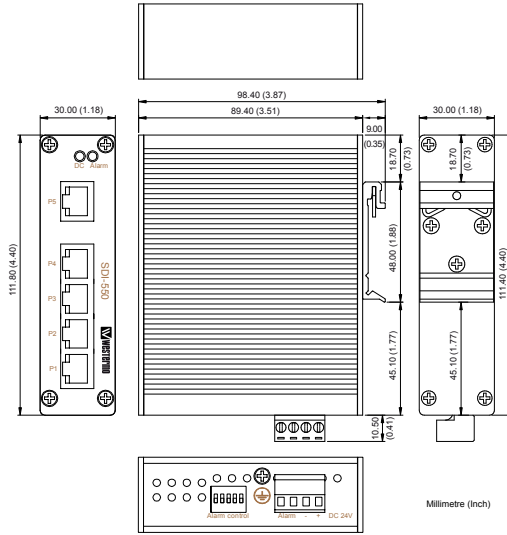
Power Requirements	
System Power	2 pins terminal block for power input. DC 18 ~ 32V with reverse polarity protection. AC 18 ~ 27V, 47 ~ 63 Hz
Consumption	3.5 Watts @ DC 24V

Mechanical	
Installation	DIN-Rail mount
Case	Aluminum case with IP-31 protection
Dimension	111.8 mm (H) x 30 mm (W) x 98.2 mm (D) (with DIN rail clip) 111.8 mm (H) x 30 mm (W) x 89 mm (D) (without DIN rail clip)
Weight	372 g with package
	290 g without package

Environmental	
Operating Temperature	-20 ~ 70°C
Operating Humidity	0% ~ 95%, (non-condensing)
Storage Temperature	-40 ~ 85°C
Hi-Pot	1.5 KV for all ports and power

Regulatory Approvals	
EMI	FCC Class A, CE/EN55022
EMS	EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11
Safety	CE/EN60950
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Free Fall	IEC60068-2-32
Warranty	5 years

**Dimensions (Unit – mm / In)**



Millimetre (Inch)

**Ordering Information**

Art.no.	Description
3625-0050	Westermo SDI-550
	Quick Installation Guide