

# Unmanaged 5-port Ethernet Switch

## SDI-550

- Simple automation connectivity solution
  - 5 10/100 Base T ports
  - 100 Mbit full wire speed
  - Transparent to automation Ethernet protocols
- Designed for easy industrial installation
  - DIN-rail mount
  - 18 to 32 VDC and 18 to 27 VAC
  - Fault relay alarm
- Operation within industrial environments
  - 25 to +70°C (-13 to +158°F) operating temperature
  - IP31 aluminium case
- Easy configuration and use
  - DIP switch fault contact configuration
  - No user set up required
  - Simple LED indicators



EN 61000-6-2  
Industrial Immunity

EN 61000-6-4  
Industrial Emission

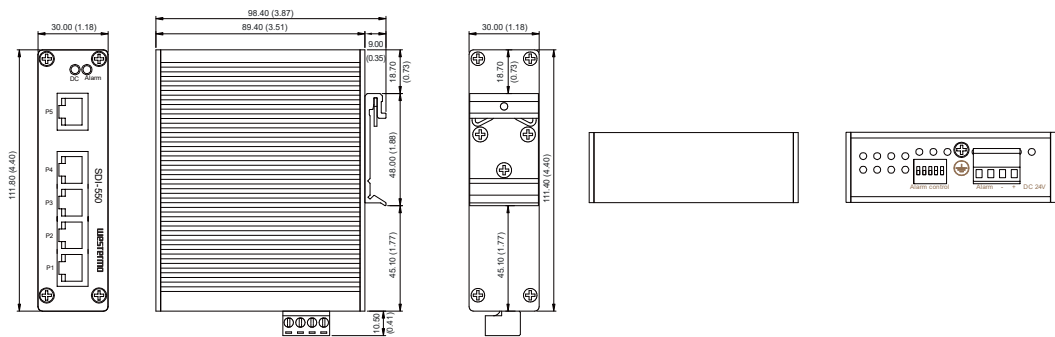
The SDI-550 is a simple and cost effective unmanaged switch suitable for use in a wide range of factory and building automation applications. A high speed switch core ensures full speed on all ports and transparency to any Ethernet protocol. The unit is designed for DIN rail mounting into industrial cabinets allowing simple Ethernet connections to be established between PLCs, I/O units, drives, inverters and HMIs. The voltage input of around 24 VDC or AC makes the unit ideal in these types of application and the fault relay can be connected to an I/O unit to provide simple network management. Designed to work in industrial environments with its IP 31 Aluminium housing and a wide temperature specification the SDI-550 is an ideal automation solution,

The SDI-550 is so easy to use, simply connect power to the screw terminals and plug in the RJ-45 cables. If you plan to use the fault contacts a DIP switch allows configuration whilst LEDs provide simple diagnostics if required.

| Ordering Information |                  |
|----------------------|------------------|
| Art.no               | Description      |
| 3625-0050            | Westermo SDI-550 |

# Specifications SDI-550

## Dimensional drawing



Dimension W x H x D 30 mm x 111.8 mm x 98.2 mm (with DIN rail clip)  
Weight 372 g with package, 290 g without package  
Degree of protection IP31

| Power             |               |
|-------------------|---------------|
| Rated voltage     | 24 VDC        |
| Operating voltage | 18 to 32 VDC  |
| Power consumption | 3 W at 24 VDC |

| Interfaces |                                                                   |
|------------|-------------------------------------------------------------------|
| Ethernet   | 5 x 10/100 Base-TX with Auto MDI/MDI-X, Auto-Negotiation function |

| Temperature         |                              |
|---------------------|------------------------------|
| Operating           | -25 to +70°C (-13 to +158°F) |
| Storage & Transport | -40 to +85°C (-40 to +185°F) |

| Agency approvals and standards compliance |                                                                                        |
|-------------------------------------------|----------------------------------------------------------------------------------------|
| EMC                                       | EN 55032 Electromagnetic compatability of multimedia equipment - Emission requirements |
|                                           | EN 55035 Electromagnetic compatability of multimedia equipment - Immunity requirements |
|                                           | EN 61000-6-2, Immunity industrial environments                                         |
|                                           | EN 61000-6-4, Emission industrial environments                                         |
|                                           | FCC Class A                                                                            |