

# Unmanaged 8-port Ethernet Fibre Switch

## SDI-862-MM-SC2 / SM-SC30



- ⌘ Basic automation connectivity solution
  - 6 x 10/100 Base T ports
  - 2 x 100 Base-FX ports (single & multimode solution)
  - Transparent to automation Ethernet protocols
  - Quality of Service for packet precedence
- ⌘ Designed for easy industrial installation
  - DIN rail mount
  - Dual 10 to 60VDC power supply
  - Fault relay alarm
- ⌘ Operation within industrial environments
  - -10 to +70°C (+14 to +158°F) operating temperature
  - IP31 aluminum case
  - AC 1.5 kV insulation
- ⌘ Easy configuration and use
  - DIP switch fault contact configuration
  - No user set up required
  - Broadcast storm filter



**EN 61000-6-2**  
Industrial Immunity

**EN 61000-6-4**  
Industrial Emission

The SDI-862 is a simple and cost effective unmanaged fibre switch suitable for use in a wide range of factory and building automation applications. Two models are available – The SC2 for use on up to 2 km (1.2 mi) of multimode fibre and the SC30 for single-mode applications up to 30 km (18 mi). 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.

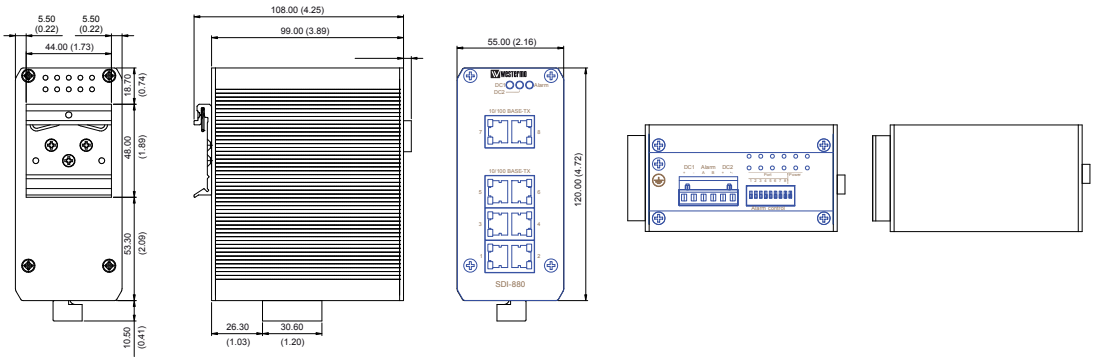
The SDI-862 is easy to use, simply connect power to the screw terminals and plug in your RJ-45 cables. If you plan to use the fault contacts a DIP switch allows configuration whilst LEDs provide simple diagnostics if required. A broadcast storm filter helps out if a loop is created by mistake.

### Ordering Information

| Art.no    | Description             |
|-----------|-------------------------|
| 3625-0110 | Westermo SDI-862-MMSC2  |
| 3625-0120 | Westermo SDI-862-SMSC30 |

# Specifications SDI-862-MM-SC2 / SM-SC30

## Dimensional drawing



Dimension W x H x D 55 mm x 120 mm x 108 mm  
 Weight 0.5 kg  
 Degree of protection IP31

| Power             |               |
|-------------------|---------------|
| Operating voltage | 10 – 60 VDC   |
| Rated current     | 250 mA @ 24 V |

| Interfaces  |   |
|-------------|---|
| Ethernet    | 6 x 10/100 Base-TX with Auto MDI/MDI-X, Auto-Negotiation function<br>2 x 100 Mbit/s Fibre in multi-mode (Westermo SDI-862-MM-SC2) or single-mode (Westermo SDI-862-SM-SC30) |
| Alarm relay | 1 x Terminal block connector with 1 A @ DC 24 V carry ability   |

| Temperature         |                              |
|---------------------|------------------------------|
| Operating           | -10 to +70°C (+14 to +158°F) |
| Storage & Transport | -40 to +85°C (-40 to +185°F) |

| Agency approvals and standards compliance |   |
|---|---|
| EMC                                       | FCC part 15 class A<br>EN55022 Emission IT equipment<br>EN50121-4 Railway signalling and telecommunications apparatus<br>EN 61000-6-2<br>EN 61000-6-4 |