



**Features:**

- ▶ Star Delta
- ▶ 2 time ranges
- ▶ LED indication for star & delta relay
- ▶ Din rail mount



**Advantages:**

- ▶ Automatic compensation for variations
- ▶ Easy adjustment in desired automation
- ▶ Reduction in inventory cost (up to 80%)
- ▶ Easy switching reliability
- ▶ High mechanical endurance of operation ensures trouble free operation

**Applications:**

- ▶ Control panel
- ▶ Feeders / Motors
- ▶ Generator
- ▶ Transformer
- ▶ Electrical distribution

**Input Specifications**

Accuracy	±5% of full Scale
Repeatability	±0.5% or 50ms
Reset	< 100 m Sec on Interruption of power

**Output Specification**

Output Contact	SPDT (1 C/O for star & delta)
Contact Rating	5A/230V AC/28V DC

**Functional Specification**

Run up Time	0-30 sec 0-60 sec
Change Over Time	50/100 msec (Fixed)
Led Indication	Star and Delta relay
Modes	Star - Delta

**Supply Voltage**

Auxiliary Supply	230V AC & 24V AC/DC 415V AC & 24V AC/DC
Supply Frequency	50/60 Hz

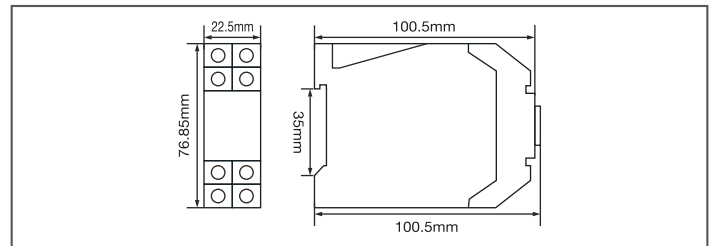
**Environmental Specifications**

Operating Temperature	-10°C to 55°C
Storage Temperature	-20°C to 75°C
Humidity	< 95% RH (non-condensing)

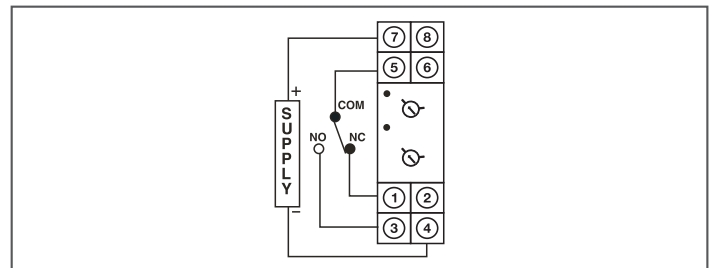
**Mechanical Specifications**

Weight	120 g
Mounting	DIN Rail (35 mm)/ 2x m4 screw
Dimension	22.5x77x105 mm (WXLXH)

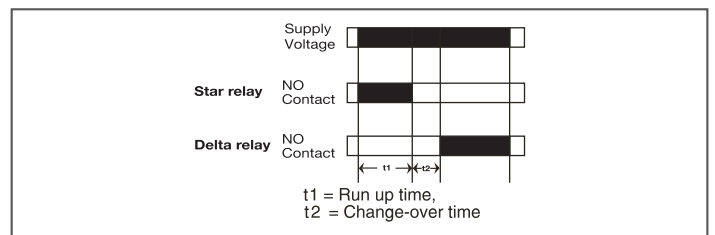
**Dimension**



**Order Code**



**Timing Diagram**



**Ordering Information**

Ordering Code	Description
VIPS 99SD	Star delta timer