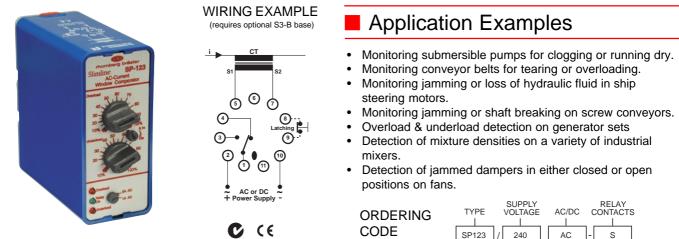


### Single Phase Current Monitoring Relay - Current Window Comparator 1A / 5A AC(rms)

# SP 123



**Current Input:** 

Hvsteresis:

Trip point (Overload or Underload):

Maximum input current (continuous):

Repetitive accuracy: 1%.

Current input impedance:

0,1 to 1A or 0,5 to 5A AC/DC (adjustable)

Peak short-term over-current (10 seconds):

SLIMLINE

## Technical Specification

#### **Power Supply:**

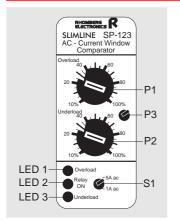
AC: 12, 24, 110, 240 (ie. 220-240), 400, 415, 525V ±15% DC: 10-30V, 48, 60, 110V ± 15% (no galvanic isolation)

#### **Response:**

Start-up delay: Time delay on trip:

approximately 10 seconds, standard. ip: adjustable from 0,1 to 10 seconds.

## Description of Controls



- P1: **The Overload Threshold** is adjusted on P1. Maximum setting of 100% corresponds with a current level of 1A or 5A (depending on setting of S1).
- P2: **The Underload Threshold** is adjusted on P2. Maximum setting of 100% corresponds with a current level of 1A or 5A (depending on setting of S1).

Note: P2 should be set to a level below that of P1, ie. the overload threshold and the underload threshold must not overlap.

P3: Adjustable Time Delay on Trip is set on P3 from 0,1 to 10 seconds. S1: The Current Range is set for 1A or 5A on S1.

6A

20A

 $50 \text{ m}\Omega$ 

2% fixed (relative to trip point setting)

Note: SP123 supersedes SP120

- LED1: The red LED marked "**Overload**" will illuminate whenever the current exceeds the set overload threshold.
- LED 2: The green LED marked "**Relay ON**" will illuminate when the relay is energised, and switches off if the unit registers a fault condition, or the power supply to the unit is interrupted.
- LED 3: The red LED marked "**Underload**" will illuminate whenever the current drops below the set underload threshold.

## Operational Diagrams

