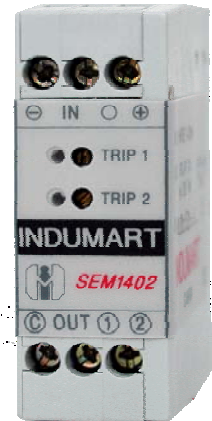


# LOOP POWERED TRIP AMPLIFIER/ALARMS

## SEM1402

- LOOP POWERED
- 2A @ 250 VAC / 125 VDC RELAYS
- ALARM INDICATION
- FULLY ADJUSTABLE
- RAIL MOUNTED
- ULTRA SMALL SIZE

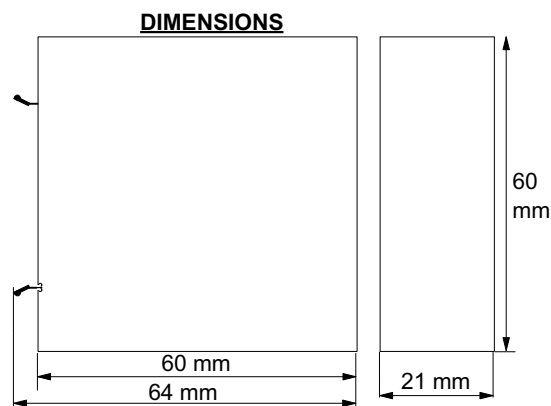


### INTRODUCTION

Indumart's SEM1402 DIN Rail Mounted Dual Trip Amplifier accepts 4-20 mA input signals and provides two separate alarm trips. The unit does not require a separate power supply and wiring is very simple.

The two relays are rated 2A at 250 VAC / 125 VDC. Through the front face of the unit, the operator can adjust the set points of the relays from 0-100% and observe their state indicated by two LED lights. According to your application, you will have N.O. contacts, when the unit is set to trip at upper end of the set point. If alarm tripping is required below the set point, contacts will be in N.C. position. High or low alarm tripping buttons are placed on the side of the SEM1402.

The compact design of the SEM1402 gives the advantage of installing many units in a small space. The SEM1402 has also good electrical isolation.



### SPECIFICATIONS @ 20°C

#### INPUT

Type	2-wire 4-20 mA; 50 mA max.
Protection	Reverse connection protected
Loop Drop	5V maximum

#### OUTPUT

Alarm	HIGH or LOW Active
Contacts	Two single pole relays with N.O. or N.C. contacts sharing a common connection
Rating	2A @ 250 VAC / 125 VDC
Set Point	0-100% adjustable
Hysteresis	Fixed 0.5%
Delay	Fixed 0.5 second
Fail Mode	On loss of signal: HIGH, □ No alarm condition LOW, □ Alarm condition (alarm operates as if signal has fallen to -25%)
Indication	Alarm LEDs on the front face
Isolation	3000 VAC rms between contacts and input 1000 VAC rms between contacts

#### GENERAL

Case Material	Polyamide (gray)
Mounting	35 mm DIN rail
Protection	IP 20
Connection	Captive screw terminals
Ambient	0 to 50°C 10 to 95% RH non-condensing
Weight	60 grams