

# KEW SAFE LINE SERIES

## PRODUCT 2.3: - *CURRENT MONITOR RELAYS*



### DESCRIPTION

The **KEW SFL Series Current Monitor** is a smart digital panel meter designed for accurate and reliable current monitoring in both single-phase and three-phase systems. It offers **True RMS measurement**, a high-visibility 4-digit LED display, and advanced protection features like under/overcurrent, phase loss, **reverse current**, and **unbalanced load detection**. With support for RS-485 & MODBUS communication and alarm relay outputs, it ensures smooth integration with industrial automation systems. Its **wide auxiliary supply range**, compact design, and easy front-key programming make it ideal for modern electrical panels. Perfect for industrial and commercial use, the **SFL series delivers real-time protection and performance monitoring** with high precision.

### FEATURES OF CurrentMonitor Relay (SP)

<b>Meter Type</b>	Single Phase & Three Phase Current Monitor
<b>Measured Parameters</b>	Current (True RMS), Phase Sequence, Reverse Current, Phase Loss, Unbalance Detection
<b>Smart Display &amp; Navigation</b>	4-digit bright LED display with Trip/Alarm Indication, Error Code Display
<b>Protection Features</b>	Under Current, Over Current, Phase Loss, Phase Reversal, Unbalance, Reverse Current
<b>Relay Output</b>	One Relay Output (2A rated) available for contactor tripping or external fault indication



## SPECIFICATION OF Current Monitor Relay

### Electrical Characteristics: -

<b>Meter Type</b>	Current Monitor (AC) – Single & Three Phase
<b>RMS Current Input</b>	50mA – 10A (CT set.) (Accuracy: - $\pm 0.5\%$ FS +1 dgt.)
<b>Relay Output</b>	1 Relay Output (2A @ 250V AC), for tripping or alarm signalling
<b>VA Burden</b>	Auxiliary Supply: <1.5 VA Current Input: <1.0 VA
<b>Auxiliary Supply</b>	150-300V AC, 45-270V AC/DC, 19-90V AC/DC
<b>PARAMETER (Current)</b>	R Phase, Y Phase, B Phase, Average
<b>Relay Contact</b>	2AMPS , 250V AC POTENTIAL FREE

### Environmental Characteristics: -

<b>Operating Temperature</b>	-10°C to +55°C
<b>Storage Temperature</b>	-10°C to 60°C

### Mechanical Characteristics: -

<b>Mounting Type</b>	Panel Mount (Flush Type)
<b>Panel Dimensions</b>	96 × 96 × 65 mm

### Display Characteristics

<b>Display Type</b>	4-Digit Red LED Display
<b>Indications</b>	Error Code Display, Fault LED Indicators

# APPLICATIONS OF Current Monitor Relay

## Motor Control Panels



## Building Management Systems (BMS)



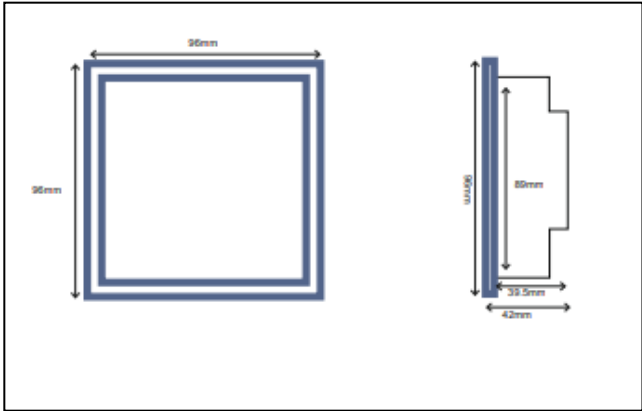
## OEM Electrical Panels



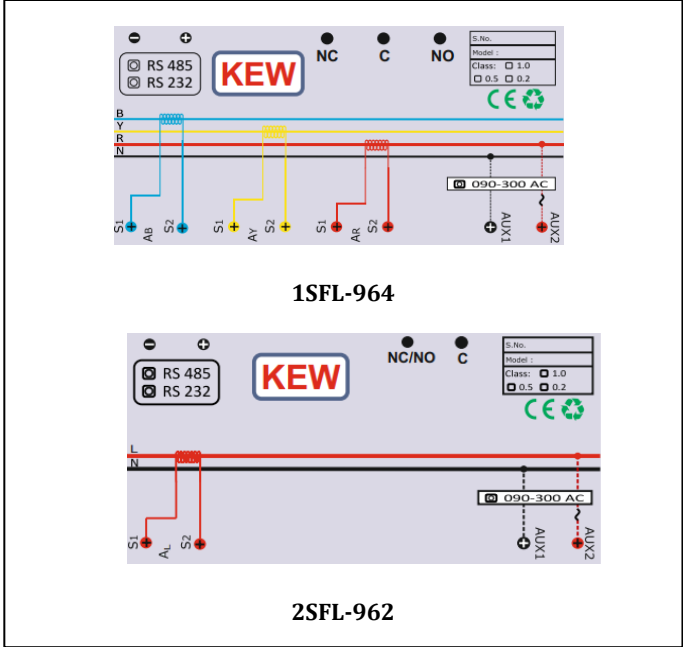
## Commercial Sub-Metering / Retail Malls



## Panel CutOut



## Terminal Connection



### Ordering information:

<u>MODEL</u>	<u>Display &amp; Protection</u>	<u>ACCURACY CLASS</u>	<u>AUX SUPPLY</u>
<b>SFL-964</b>	3 Phase Over & Under Current Protection	±0.5%	150–300V AC, 45–270V AC/DC, 19–60V AC/DC
<b>SFL-962</b>	1 Phase Over & Under Current Protection	±0.5%	150–300V AC, 45–270V AC/DC, 19–60V AC/DC
<b>SFL-964D</b>	3 Phase Over & Under Current Protection with Display	±0.5%	150–300V AC, 45–270V AC/DC, 19–60V AC/DC
<b>SFL-962D</b>	1 Phase Over & Under Current Protection with Displa	±0.5%	150–300V AC, 45–270V AC/DC, 19–60V AC/DC

**\*WHILE ORDERING PLEASE MENTION RANGE, CLASS & AUX SUPPLY & FOR BULK CUSTOMIZED INQUIRIES**

