The Series SC468 and SCL468 AC Current and Voltage Transmitter allow low cost retransmission of any AC current (10mA to 100mA) or voltage (100mV to 200V). Quickly setup, they can isolate and retransmit to a wide variety of external devices into standard process signals. The SC468 operates on line power so no extra power supply is needed; the SCL468 operates on low power for systems that work exclusively at low voltages. Units mount easily on a standard 35mm DIN rail and is only 0.886 in (22.5 mm) wide, allowing space for other equipment.

AC Current & Voltage Transmitter, low voltage

SCL468

Note: The spans can be adjusted within their minimum and maximum values.

SPECIFICATIONS

Power Supply:
SC468: 85 to 265 VDC/VAC 50 to 400 Hz.
SCL468: 9.6 to 28 VDC/VAC 50 to 400 Hz.

Ambient Temperature Range:
Operating: 0 to 55°C (32 to 131°F).
Storage: -40 to 85°C (-40 to 185°F).
Ambient Humidity Conditions:
Operating: 0 to 90% RH up to 40°C (100°F).
Storage: 0 to 90% RH up to 40°C (100°F).

Input Impedance:
>50 Kohms.

Input Type:
Frequency.

Full Scale Range:
1 to 10,000 Hz.

Input Impedance:
>50 Kohms.

Input Amplitude:
50 mV to 150V RMS, overload protected to 180V RMS.

Zero Adjustment:
-0.9998 Hz.

Span Adjustment:
Current Input: Range: 10 mA to 100 mA; Input impedance: 10 ohms; Overcurrent: 120 mA.
Frequency Range: 40 to 400 Hz.
Zero Adjustment: 10% to +5% of scale.
Span Adjustment: -50% to +10% of scale.

Frequency Range:
1 to 10,000 Hz.

Input Ranges:

<table>
<thead>
<tr>
<th>Range</th>
<th>Output Ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 20 mV</td>
<td>0 to 1 V</td>
</tr>
<tr>
<td>0 to 20 V</td>
<td>0 to 2.5 V</td>
</tr>
<tr>
<td>0 to 50 mV</td>
<td>0 to 10 V</td>
</tr>
<tr>
<td>0 to 100 V</td>
<td>0 to 20 V</td>
</tr>
<tr>
<td>0 to 200 V</td>
<td>0 to 50 V</td>
</tr>
</tbody>
</table>

Frequency Transmitters

Simple Push-Button Setup and Scaling, Scalable Input 2 to 10,000 Hz, Selectable Output

The Series SC478 and SCL478 Frequency Transmitter allow low cost retransmission of any AC Sine Wave source from 50 mV to 150V RMS and 2 to 10,000 Hz. Featuring push button setup, units can isolate and retransmit to a wide variety of external devices with standard process signals. The SC478 operates on line power so no extra power supply is needed; the SCL478 operates on low power for systems that work exclusively at low voltages. Units mount easily on a standard 35 mm DIN rail and is only 0.886 in (22.5 mm) wide.

SPECIFICATIONS

Power Supply:
SC478: 85 to 265 VDC/VAC 50 to 400 Hz.
SCL478: 85 to 265 VDC/VAC 50 to 400 Hz.

Ambient Temperature Range:
Operating: 32 to 100°F (0 to 40°C).
Storage: -40 to 150°F (-40 to 65°C).
Ambient Humidity Conditions (non-conducting):
0 to 90% up to 40°F (4°C).
0 to 50% at 131°F (55°C).

Input Type:
Frequency.

Full Scale Range:
1 to 10,000 Hz.

Input Loading:
0 to 20 mA (500 ohms).

Span Adjustment:
2 to 10,000 Hz.

Frequency Range:
1 to 10,000 Hz.

Input Ranges:

<table>
<thead>
<tr>
<th>Range</th>
<th>Output Ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 1 V</td>
<td>0 to 20 V</td>
</tr>
<tr>
<td>0 to 2 V</td>
<td>0 to 10 V</td>
</tr>
<tr>
<td>0 to 5 mA</td>
<td>0 to 10 V</td>
</tr>
<tr>
<td>0 to 20 mA</td>
<td>0 to 20 V</td>
</tr>
</tbody>
</table>

Frequency Isolators/Transmitters

Allow low cost retransmission of any AC Sine Wave source from 50 mV to 200 mV.

Frequency Range:
150VRMS (180V RMS).

Input Impedance:
100 kilohms.

Input Type:
Frequency.

Frequency Resolution:
0.2 Hz.

Span Adjustment:
0.02% per °C typical, ±0.05% maximum.

Response Time:
2mS, 90% step change.

Input: AC sine wave.
Voltage Input:
100 mV to 200 Vac; Input impedance: 100 kilohms; Overvoltage: 300 Vac.

Overvoltage:
550Vac (850Vac for SCL478).

Input/Output Specifications:

<table>
<thead>
<tr>
<th>Range</th>
<th>Output Ranges</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 20 mV</td>
<td>0 to 1 V</td>
</tr>
<tr>
<td>0 to 20 V</td>
<td>0 to 2.5 V</td>
</tr>
<tr>
<td>0 to 50 mV</td>
<td>0 to 10 V</td>
</tr>
<tr>
<td>0 to 100 V</td>
<td>0 to 20 V</td>
</tr>
<tr>
<td>0 to 200 V</td>
<td>0 to 50 V</td>
</tr>
</tbody>
</table>

Note: The spans can be adjusted within their minimum and maximum values.