### Series Included

#### Over or Undercurrent
- ECS: .......................... 122
- TCS: .......................... 124

#### Over or Undercurrent Monitor
- ECSW: .......................... 123

#### Current Transducer
- TCSA: .......................... 125
- DCSA: .......................... 126

#### Current Indicator
- LCS10T12: .......................... 127
- LPM: .......................... 127
The ECS Series of single-phase AC current sensors is a universal, overcurrent or undercurrent sensing control. Its built-in toroidal sensor eliminates the inconvenience of installing a stand-alone current transformer. Includes onboard adjustments for current sensing mode, trip point, and trip delay. Detects over or undercurrent events like; locked rotor, loss of load, an open heater or lamp load, or proves an operation is taking place or has ended.

For more information see: Appendix B, page 166, Figure 20 for dimensional drawing. Appendix C, page 169, Figure 17 for connection diagram.

Operation
Input voltage must be supplied at all times for proper operation. When a fault is sensed throughout the trip delay, the output relay is energized. When the current returns to the normal run condition or zero, the output and the delay are reset. If a fault is sensed and then corrected before the trip delay is completed, the relay will not energize and the trip delay is reset to zero.

Adjustment
Select the desired function, over or under current sensing. Set the trip point and trip delay to approximate settings. Apply power to the ECS and the monitored load. Turn adjustment and watch the LED. LED will light; turn slightly clockwise until LED blinks. For more information see Figure 20. Set the trip point and trip delay to approximate settings. Adjust sensitivity by turning the adjustment clockwise to increase sensitivity or counterclockwise to decrease sensitivity. For example, if a fault is sensed throughout the trip delay, the output relay is energized. When the current returns to the normal run condition or zero, the output and the delay are reset. If a fault is sensed and then corrected before the trip delay is completed, the relay will not energize and the trip delay is reset to zero.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>ECS20BC</th>
<th>ECS21BH</th>
<th>ECS21CH</th>
<th>ECS21AC</th>
<th>ECS21BC</th>
<th>ECS21CH</th>
<th>ECSL21A</th>
<th>ECSL41AC</th>
<th>ECSL41BC</th>
<th>ECSL41CH</th>
<th>ECSL41AC</th>
<th>ECSL41BC</th>
<th>ECSL41CH</th>
<th>ECSL61AH</th>
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<tbody>
<tr>
<td>Sensing Delay On Start Up</td>
<td>4s</td>
<td>3s</td>
<td>2s</td>
<td>1s</td>
<td>0s</td>
<td>0s</td>
<td>0s</td>
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<tr>
<td>Trip Delay</td>
<td>0.150 - 7s adjustable</td>
<td>0.150 - 7s adjustable</td>
<td>0.150 - 7s adjustable</td>
<td>0.150 - 7s adjustable</td>
<td>0.150 - 7s adjustable</td>
<td>0.150 - 7s adjustable</td>
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<td>0.150 - 7s adjustable</td>
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<tr>
<td>Trip Point</td>
<td>2-50A adjustable</td>
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<td>2-50A adjustable</td>
<td>2-50A adjustable</td>
<td>2-50A adjustable</td>
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<tr>
<td>Maximum Allowable Current</td>
<td>100A</td>
<td>100A</td>
<td>100A</td>
<td>100A</td>
<td>100A</td>
<td>100A</td>
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<td>100A</td>
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<tr>
<td>Operating / Storage Temperature</td>
<td>-40° to 60°C</td>
<td>-40° to 60°C</td>
<td>-40° to 60°C</td>
<td>-40° to 60°C</td>
<td>-40° to 60°C</td>
<td>-40° to 60°C</td>
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<td>-40° to 60°C</td>
<td>-40° to 60°C</td>
<td>-40° to 60°C</td>
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<tr>
<td>Environmental</td>
<td>Encapsulated</td>
<td>Encapsulated</td>
<td>Encapsulated</td>
<td>Encapsulated</td>
<td>Encapsulated</td>
<td>Encapsulated</td>
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<td>Encapsulated</td>
<td>Encapsulated</td>
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<tr>
<td>Protection</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
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<td>None</td>
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<td>None</td>
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<tr>
<td>Isolation Voltage</td>
<td>≥ 2500 V RMS input to output</td>
<td>≥ 2500 V RMS input to output</td>
<td>≥ 2500 V RMS input to output</td>
<td>≥ 2500 V RMS input to output</td>
<td>≥ 2500 V RMS input to output</td>
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<td>≥ 2500 V RMS input to output</td>
<td>≥ 2500 V RMS input to output</td>
<td>≥ 2500 V RMS input to output</td>
<td>≥ 2500 V RMS input to output</td>
</tr>
<tr>
<td>Mechanical</td>
<td>-10° C to 60° C</td>
<td>-10° C to 60° C</td>
<td>-10° C to 60° C</td>
<td>-10° C to 60° C</td>
<td>-10° C to 60° C</td>
<td>-10° C to 60° C</td>
<td>-10° C to 60° C</td>
<td>-10° C to 60° C</td>
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<td>-10° C to 60° C</td>
<td>-10° C to 60° C</td>
<td>-10° C to 60° C</td>
<td>-10° C to 60° C</td>
<td>-10° C to 60° C</td>
</tr>
<tr>
<td>Humidity</td>
<td>93% relative, non-condensing</td>
<td>93% relative, non-condensing</td>
<td>93% relative, non-condensing</td>
<td>93% relative, non-condensing</td>
<td>93% relative, non-condensing</td>
<td>93% relative, non-condensing</td>
<td>93% relative, non-condensing</td>
<td>93% relative, non-condensing</td>
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<td>93% relative, non-condensing</td>
<td>93% relative, non-condensing</td>
<td>93% relative, non-condensing</td>
<td>93% relative, non-condensing</td>
<td>93% relative, non-condensing</td>
</tr>
</tbody>
</table>

Available Models:

- **P/N: P1015-13 (AWG 10/12)**
- **P/N: P1015-64 (AWG 14/16)**
- **P/N: P1015-14 (AWG 18/22)**

Auxiliary Products:

- **Female quick connect:**
  - P/N: P1015-13 (AWG 10/12)
  - P/N: P1015-64 (AWG 14/16)
  - P/N: P1015-14 (AWG 18/22)
The ECSW Series of single-phase, AC window, current sensors includes adjustable overcurrent and undercurrent trip points. Detects locked rotor, jam, load of an open heater or lamp load, a broken belt, or loss of suction. LED's aid in trip point adjustment and provide fault indication. The built-in toroidal sensor eliminates the need for an external current transformer. The output can be electrically latched after a fault, or automatically reset. Remote resetting of a latched output by removing input voltage. The unit includes switch selectable zero current detection and normally de-energized or energized output operation. Time delays are included to improve operation and eliminate nuisance tripping.

For more information see:
Appendix B, page 166, Figure 20 for dimensional drawing.
Appendix C, page 169, Figure 18 for connection diagram.

**Features:**
- Overcurrent & undercurrent (window current) sensing
- Adjustable overcurrent & undercurrent trip points
- Current sensor is included
- Isolated, 10A, SPDT output contacts
- LED indicators

**Available Models:**
- ECSW3LABT
- ECSW4HBHT
- ECSW4LABT

If desired part number is not listed, please call us to see if it is technically possible to build.

**Order Table:**

<table>
<thead>
<tr>
<th>ECSW</th>
<th>Input</th>
<th>Trip Point</th>
<th>Trip Delay</th>
<th>Sensing Delay on Start up</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-1</td>
<td>12VDC</td>
<td>0.5-5A adjustable</td>
<td>F: Specify: 0.1-50s factory fixed*</td>
<td>L-T</td>
</tr>
<tr>
<td></td>
<td>-2</td>
<td>24VAC</td>
<td>0.5-20A adjustable</td>
<td>A: 0.150-7.5s adjustable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-3</td>
<td>24VDC</td>
<td>5-50A adjustable</td>
<td>B: 0.5-50s adjustable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-4</td>
<td>120VAC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>-5</td>
<td>230VAC</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*If fixed delay is selected, insert delay (0.1-50) in seconds, 0.1-1.9s in 0.1s increments, 2-50s in 1s increments.

**Specifications**

- **Sensor:** Toroidal, through hole wiring for up to #4 AWG (21.1 mm)
- **Mode:** Over & undercurrent trip points (window current sensing)
- **Trip Point Range:** 0.5 - 50A in 3 adjustable ranges
- **Tolerance:** Guaranteed range
- **Maximum Allowable Current:** Steady - 50A turns; Inrush - 300A turns for 10s
- **Time Point vs Temp. & Voltage:** ±5% (±40% -20% - 10%)
- **Response Time:** ≤75ms
- **Frequency:** 45/50Hz
- **Type of Detection:** Peak detection
- **Zero Current Detection:** ≤250mA turns typical
- **Time Delay:** ≤75ms
- **Ripple Time Delay:** ≤40% - 0%
- **Delay vs. Temperature & Voltage:** ≤415%

- **Input Voltage:** 24, 120, or 200VAC, 12 or 24VDC
- **Tolerance:** 12VDC & 24VDC/AC - 3% ± 5% - 20% & 280VAC - 20% - 10% AC Line Frequency - 50/60 Hz

- **Weight:** 6.4 oz (181 g)

- **Approvals:**
  - THHN wire
  - UL listed

**Features:**
- Overcurrent & undercurrent (window current) sensing
- Adjustable overcurrent & undercurrent trip points
- Current sensor is included
- Isolated, 10A, SPDT output contacts
- LED indicators

**Available Models:**
- ECSW3LABT
- ECSW4HBHT
- ECSW4LABT

If desired part number is not listed, please call us to see if it is technically possible to build.

**Order Table:**

<table>
<thead>
<tr>
<th>ECSW</th>
<th>Input</th>
<th>Trip Point</th>
<th>Trip Delay</th>
<th>Sensing Delay on Start up</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-1</td>
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<td>0.5-5A adjustable</td>
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</tr>
<tr>
<td></td>
<td>-2</td>
<td>24VAC</td>
<td>0.5-20A adjustable</td>
<td>A: 0.150-7.5s adjustable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-3</td>
<td>24VDC</td>
<td>5-50A adjustable</td>
<td>B: 0.5-50s adjustable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-4</td>
<td>120VAC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>-5</td>
<td>230VAC</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*If fixed delay is selected, insert delay (0.1-50) in seconds, 0.1-1.9s in 0.1s increments, 2-50s in 1s increments.

**Specifications**

- **Sensor:** Toroidal, through hole wiring for up to #4 AWG (21.1 mm)
- **Mode:** Over & undercurrent trip points (window current sensing)
- **Trip Point Range:** 0.5 - 50A in 3 adjustable ranges
- **Tolerance:** Guaranteed range
- **Maximum Allowable Current:** Steady - 50A turns; Inrush - 300A turns for 10s
- **Time Point vs Temp. & Voltage:** ±5% (±40% -20% - 10%)
- **Response Time:** ≤75ms
- **Frequency:** 45/50Hz
- **Type of Detection:** Peak detection
- **Zero Current Detection:** ≤250mA turns typical
- **Time Delay:** ≤75ms
- **Ripple Time Delay:** ≤40% - 0%
- **Delay vs. Temperature & Voltage:** ≤415%

- **Input Voltage:** 24, 120, or 200VAC, 12 or 24VDC
- **Tolerance:** 12VDC & 24VDC/AC - 3% ± 5% - 20% & 280VAC - 20% - 10% AC Line Frequency - 50/60 Hz

- **Weight:** 6.4 oz (181 g)

- **Approvals:**
  - THHN wire
  - UL listed

**Features:**
- Overcurrent & undercurrent (window current) sensing
- Adjustable overcurrent & undercurrent trip points
- Current sensor is included
- Isolated, 10A, SPDT output contacts
- LED indicators

**Available Models:**
- ECSW3LABT
- ECSW4HBHT
- ECSW4LABT

If desired part number is not listed, please call us to see if it is technically possible to build.
The TCS Series is a low cost method of go/no go current detection. It includes a solid-state output to sink or source current when connected directly to a standard PLC digital input module. Its normally open or normally closed output can also be used to control relays, lamps, valves, and small heaters rated up to 10A steady, 10A inrush. The TCS is self-powered (no external power required to operate the unit) and available with an adjustable actuation range of 2 - 20A or factory fixed actuation points from 2 - 45A.

For more information see:
Appendix B, page 166, Figure 21 for dimensional drawing.
Appendix C, page 169, Figure 19 for connection diagram.

### Operation

**Normally Open:** When a current equal to or greater than the actuate current is passed through the toroidal sensor, the output closes. When the current is reduced to 95% of the actuate current or less, the output opens.

**Normally Closed:** When the current through the toroid is equal to or greater than the actuate current, the output closes. When the current is reduced to 95% of the actuate current or less, the output opens.

### Order Table:

<table>
<thead>
<tr>
<th>TCS</th>
<th>Output Voltage</th>
<th>X Actuate Current</th>
<th>X Output Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>G - 3-50VDC</td>
<td>A - 2-20A adjustable</td>
<td>A - Normally Open</td>
</tr>
<tr>
<td>H</td>
<td>H - 24-240VAC</td>
<td>Fixed - Specify from 2-45A in 1A increments</td>
<td>B - Normally Closed</td>
</tr>
</tbody>
</table>

### Specifications

#### Sensor
- Type: Toroid, through hole wiring, alternating current, monitored wire must be properly insulated
-Current to Actuate: Adjustable - 2 - 20A, guaranteed range
-Reset Current: ≥ 95% of the actuate current
-Maximum Allowable Current: Steady - 50A turns
-Inrush - 30A turns for 10s
-Acuate Current vs. Temp. & Voltage: ≤ ±5%
-Response Times: Overcurrent - ≤ 20ms
-Undercurrent - ≤ 1s
- Burden: < 0.5VA

#### Output
- Type: Solid state
- Form: NO or NC
- Rating: 1A steady, 10A inrush
- Voltage: AC - 24 to 240VAC +10/-20%
- DC - 3 to 50VDC
- Voltage Drop: AC NO & NC - ± 2.5V
- DC NO & NC - ± 1.2V

### Features:
- Direct connection to a PLC digital input module
- 3 to 50VDC, 24 to 240VAC
- 1A steady - 10A inrush
- Actuation Points – 2 - 45A (fixed units)
- 2 - 20A (adjustable units)
- NO or NC solid-state output
- Complete isolation between sensed current & control circuit

### Auxiliary Products:
- Female quick connect: P/N: P1015-16 (AWG 14/16)
- Quick connect to screw adaptor: P/N: P1015-18
- Mounting bracket: P/N: P1023-6
- DIN rail: P/N: C103FM [All]
- DIN rail adaptor: P/N: P1023-20

### Available Models:
- TC5GAA
- TC5GAB
- TC5HAA
- TC5H2A
- TC5H2B

If desired part number is not listed, please call us to see if it is technically possible to build.
The TCSA Series is a loop-powered, linear output current transducer that provides an output that is directly proportional to the RMS AC current passing through the onboard toroid. The TCSA provides a 4 - 20mA output over a power supply range of 10 - 30VDC. Each unit is factory calibrated for monitoring in one of four ranges; 0-5, 0-10, 0-20, or 0-50A. The 0 - 5A range allows the use of external current transformers so loads up to 1200AC amps can be monitored.

For more information see: Appendix B, page 166, Figure 21 for dimensional drawing. Appendix C, page 169, Figure 20 for connection diagram.

**Operation**
The TCSA varies the effective resistance of its output in direct proportion to the current flowing in the monitored conductor. The unit is factory calibrated so that 0 amps provides a 4mA output and full span provides a 20mA output. Zero and span adjustments are provided for minor calibration adjustments in the field (if required).

**Using an External Current Transformer (CT)**
Select a 2VA, 0 to 5A output CT, rated for the current to be monitored. Select TCSA5. Pass one of the CT’s secondary output. Zero and span adjustments are provided for minor calibration adjustments in the field (if required).

**Order Table:**
<table>
<thead>
<tr>
<th>Current Range</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-5A</td>
<td>TCSA5</td>
</tr>
<tr>
<td>0-10A</td>
<td>TCSA10</td>
</tr>
<tr>
<td>0-20A</td>
<td>TCSA20</td>
</tr>
<tr>
<td>0-50A</td>
<td>TCSA50</td>
</tr>
</tbody>
</table>

**Specifications**
- Sensor: Toroid, through hole wiring, alternating current, monitored conductor must be properly insulated
- Monitored AC Current Range: 0 - 50A
- Ranges: 4 factory calibrated ranges, 0 - 5A, 0 - 10A, 0 - 20A, or 0 - 50A
- Factory calibration: ±2% of full scale
- Maximum Allowable Current: Steady - 5A turns; Inrush - 300A turns for 10s
- Repeat Accuracy: ±0.25% of full scale under fixed conditions
- Response Time: ±300ms
- Burden: ±0.5V/A
- AC Line Frequency: 0 - 20A / 21 - 50A 20 - 100Hz / 30 - 100Hz
- Temperature Coefficient: ±0.05%/°C
- Output: Current directly proportional to monitored current
- Type: Series Connection
- Sensor Supply Voltage: 10 to 30VDC
- Momentary Voltage: 40VDC for 1m
- Zero Adjust: ±3.75 - 4.25mA
- Span Adjust: 18mA - 22mA
- Adjustment: Mini-screw, 25-turn potentiometer
- Protection: ≥2000V RMS terminals to mounting surface
- Insulation Resistance: ≥100 MΩ
- Polarity: Units are reverse polarity protected
- Mechanical
- Mounting: Surface mount with one #10 (M5 x 0.8) screw
- Dimensions: 2 x 2 x 1.75 in. (50.8 x 50.8 x 44.5 mm)
- Termination: span adjustment (6.35 mm) male quick connect terminals
- Sensor Hole: 0.36 in. (9.14 mm) for up to #4 AWG (21.1 mm) THHN wire
- Environmental
- Operating / Storage Temperature: -30° to 60°C / -40° to 85°C
- Humidity: 95% relative, non-condensing
- Weight: ±2.4 oz (68 g)

*Minimum loop-power supply voltage equals the minimum sensor voltage 10VDC plus the voltage drop developed across all the other loop devices at 20mA.*

**Features:**
- Monitors 0 - 50A in 4 ranges
- Loop powered from 10 to 30VDC
- Linear output from 4 - 20mA
- Zero & span adjustments
- Complete isolation between sensed current & control circuit

**Auxiliary Products:**
- Female quick connect: P/N: P1015-64 (AWG 14/16)
- Quick connect to screw adaptor: P/N: P1015-18
- Mounting bracket: P/N: P1023-6
- DIN rail: P/N: CI03PM
- DIN rail adaptor: P/N: P1023-20

**Available Models:**
- TCSA5
- TCSA10
- TCSA20
- TCSA50
The DCSA Series is a loop-powered, linear output current transducer that provides an output that is directly proportional to the RMS AC current passing through the LCSC10T12 sensor. The DCSA provides either an analog current or voltage: 4 - 20 mA, 1 to 5VDC, or 2 to 10VDC. Each unit is factory calibrated for monitoring (with the LCSC10T12 connected) in one of four ranges: 0 - 5, 0 - 10, 0 - 20, or 0 - 50A. Zero and span adjustments allow field calibration if needed. The DCSA mounts on both DIN 1 and DIN 3 rails.

For more information see: Appendix B, page 166, Figure 22 for dimensional drawing. Appendix C, page 169, Figure 21 for connection diagram.

### Operation

The DCSA varies the effective resistance of its output in direct proportion to the current flowing in the conductor monitored by the LCSC10T12. Connecting the power supply to terminals C & D provides a 4 to 20mA DC current. Connecting the power supply to terminals C & A to get 1 to 5VDC at terminal D. Connect the power supply to terminals C & B to get 2 to 10VDC at terminal D.

### Order Table:

<table>
<thead>
<tr>
<th>Current Range with LCSC10T12</th>
<th>DCSA Input Range (F to E)</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-5A</td>
<td>0-5mA AC</td>
<td>DCSA5</td>
</tr>
<tr>
<td>0-10A</td>
<td>0-10mA AC</td>
<td>DCSA10</td>
</tr>
<tr>
<td>0-20A</td>
<td>0-20mA AC</td>
<td>DCSA20</td>
</tr>
<tr>
<td>0-50A</td>
<td>0-50mA AC</td>
<td>DCSA50</td>
</tr>
</tbody>
</table>

### Specifications

**Input**
- Ranges (without LCSC10T12 connected)
  - 4 factory calibrated ranges in mA AC: 0 - 5mA, 0 - 10mA, 0 - 20mA, or 0 - 50mA AC
- Factory calibration: ±0.5% of full scale
- Repeat Accuracy: ±0.25% of full scale under fixed conditions
- Response Time: ≤ 300ms
- Temperature Coefficient: ±0.05%/°C
- Input To Output: Not isolated

**Output**
- Type: Analog
- Range: 4 - 20mA, or 1 to 5VDC or 2 to 10VDC
- Supply Voltage: 10 to 30VDC
- Momentary Voltage: 40VDC for 1ms
- Zero Adjustment: ± 3.75 - 4.25mA
- Span Adjustment: 18mA - 22mA
- Adjustment: Mini-screw, multi-turn potentiometer
- Protection: Dielectric Breakdown ≥ 2500V RMS terminals to mounting surface
- Polarity: Units are reverse polarity protected

**Mechanical**
- Mounting: Wire clamp
- Termination: For 22 - 14AWG (.336 mm^2) 2.5 mm^2
- Operating / Storage Temperature: -30°C to 60°C / -40°C to 85°C
- Humidity: 95% relative, non-condensing
- Weight: ≤ 1.6 oz (45.4 g)

**Accessories - LCSC10T12**
- Toroidal Sensor
- Number of Turns: 1000
- Nominal Output Current Full Range: 0 - 50mA
- Maximum Allowable Current: 50A
- Burden: ≤ 0.5 VA
- Frequency: 20/100 Hz / 30/100 Hz
- Sensor Hole: 0.36 in. (9.14 mm) for up to #4 AWG (21.1 mm^2) THHN wire
- Weight: ≤ 1 oz (28.3 g)

*Minimum loop-power supply voltage equals the minimum sensor voltage 10VDC plus the voltage drop developed across all the other loop devices at 20mA.*

**Auxiliary Products:**
- Current sensor: P/N: LCSC10T12

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800-843-8848 • fax: 605-348-5685

www.ssac.com • 800-843-8848 • fax: 605-348-5685

Courtesy of Steven Engineering, Inc.-230 Ryan Way, South San Francisco, CA 94080-6370-Main Office: (650) 588-9200-Outside Local Area: (800) 258-9200-www.stevenengineering.com
The LCS10T12 connected to the LPM12 or LPMG12 indicator is a low cost, easy to use, go/no-go indication system for the remote monitoring of current flow. The LCS10T12 is installed on an adequately insulated wire of the monitored load. Its 12in. (30.4cm) leads are connected to the LPM12 or LPMG12 panel mount indicator directly or via customer supplied wires up to 500 feet (152.4m) long.

For more information see:
Appendix C, page 170, Figure 22 for connection diagram.

Features:
- Low cost go/no go indication
- May be connected to wires up to 500 feet (152.4 m) long
- Remote monitoring of currents up to 50A
- Green or red LED indicator available

Approvals:

Available Models:
LCS10T12
LPM12
LPMG12

Operation
When the monitored current is 5A turns, the panel mount LPM indicator will glow. The LCS10T12 is designed to maximize the light output of the panel mount indicator. It can be used to monitor current flow of less than 5A by passing the monitored conductor 2 or more times through the sensor.

CAUTION: The LCS10T12 must be connected to the LPM12 or LPMG12 before current flows to prevent damage or a shock hazard. Monitored wires must be properly insulated.

Panel mount indicator designed to match the output of the LCS10T12. The LPM12 and LPMG12 come with 12 in. (30.4 cm) wires and a one piece mounting clip. Both devices install quickly in a 0.25 in. (6.35 mm) hole in panels from 0.031 - 0.062 in. (0.79 - 1.6 mm) thick.

Order Table:

<table>
<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC Current Sensor</td>
<td>LCS10T12</td>
</tr>
<tr>
<td>Red LED Indicator</td>
<td>LPM12</td>
</tr>
<tr>
<td>Green LED Indicator</td>
<td>LPMG12</td>
</tr>
</tbody>
</table>

Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monitored Current</td>
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</tr>
<tr>
<td>Current Range</td>
<td>2 - 50A AC</td>
</tr>
<tr>
<td>Wire Passes</td>
<td></td>
</tr>
<tr>
<td>Min. Current</td>
<td>2.5A</td>
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<tr>
<td>Max. Current</td>
<td>25A</td>
</tr>
<tr>
<td>Max. Inrush</td>
<td>60A</td>
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<tr>
<td>Max. Wire Dia.</td>
<td>0.187 in. (4.7 mm)</td>
</tr>
<tr>
<td>Maximum Current</td>
<td>50A turns continuous</td>
</tr>
<tr>
<td>AC Line Frequency</td>
<td>50/60Hz</td>
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<tr>
<td>DC Resistance of Current Limiter</td>
<td>65 Ω</td>
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<tr>
<td>Mechanical</td>
<td></td>
</tr>
<tr>
<td>Sensor Hole</td>
<td>0.36 in. (9.14 mm) for up to #4 AWG</td>
</tr>
<tr>
<td>Termination</td>
<td>12 in. (30.4 cm) wire leads</td>
</tr>
<tr>
<td>Environmental</td>
<td></td>
</tr>
<tr>
<td>Operating / Storage Temperature</td>
<td>-40° to 68° / -40° to 85°C</td>
</tr>
<tr>
<td>Weight</td>
<td>LCS: ≅ 0.8 oz (23 g)</td>
</tr>
<tr>
<td></td>
<td>LPM: ≅ 0.2 oz (6 g)</td>
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</tbody>
</table>