

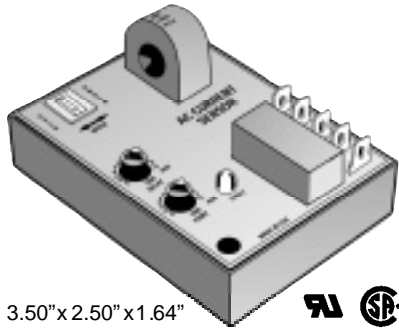
IN STOCK

Universal AC Current Sensor

✓ **Switch Selectable Overcurrent or Undercurrent Control**

11

CONTROLS & SENSORS



3.50"x 2.50"x 1.64"
(89x64x42mm)

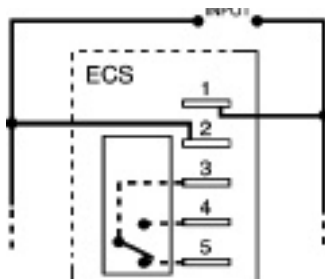


ECS Series

- Switch Selectable Overcurrent or Undercurrent Control
- Adjustable Trip Points From 0.5 to 50 Amperes (120 Amp-turns Max.)
- Adjustable Trip Delays From 0.5 to 50 Seconds
- 1 Second Delay On Start Up
- 10 Amp, SPDT Isolated Relay Contacts
- Compatible With External Current Transformers
- 5% Dead Band Prevents Rapid Switching

Description: The ECS Series is a one-piece, off-the-shelf, universal, AC, over or undercurrent sensor/control. Its built-in toroidal sensor provides complete isolation. The output energizes when a fault is sensed. Use alone to 50 amps or with a 2 VA external current transformer (see below). LED fault indicator, .25" (6.35mm) quick connects. Mounts with two #6 screws. Toroid hole size is 0.36"(9.1mm) ID.

Connection Diagram



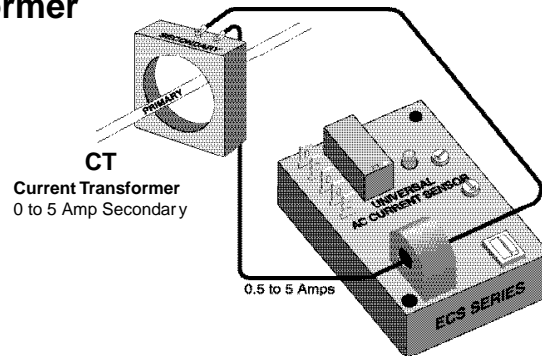
Series	Operating Voltage	Adjustable Trip Point	In Stock Part Numbers
ECS20BC	24VAC	0.5 to 5 amps	•
ECS21BC	24VAC	2 to 20 amps	•
ECS2HBC	24VAC	5 to 50 amps	
ECS40BC	120VAC	0.5 to 5 amps	•
ECS41BC	120VAC	2 to 20 amps	•
ECS4HBC	120VAC	5 to 50 amps	
ECS60BC	230VAC	0.5 to 5 amps	•
ECS61BC	230VAC	2 to 20 amps	•
ECS6HBC	230VAC	5 to 50 amps	

Other Options Available

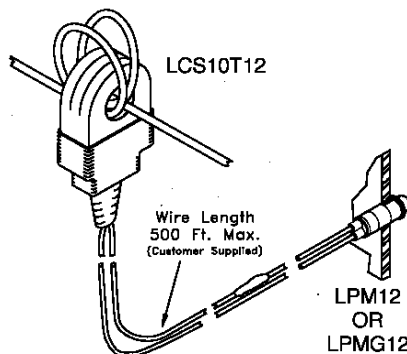
Connecting An External Current Transformer

Pass the wire of the current to be monitored through the hole in the CT (this serves as the primary). Make one pass of the CT's secondary wire through the toroid on the ECS. Complete the CT's secondary circuit. When properly connected, the CT's secondary will appear to be "shorted".

Note: To increase sensitivity, multiple turns can be made through the ECS's toroid. The 0.5 to 5 amp range is divided by the number of turns through the toroid to create a new trip point range (i.e., 2 passes through toroid creates a sensing range of 0.25 to 2.5 amps on the ECS). With each pass through the toroid, you are adding a 0.5 VA burden to the CT's secondary.



Low Cost AC Current Indicator - LCS10T12 with LPM12 or LPMG12



- Sensing Range - 1 Pass = 5 to 50 Amperes
- Sensing Range - 4 Passes = 1.3 to 12.5 Amperes
- For Higher Currents Use An External Current Transformer
- Self Powered, Easy to Connect, 12 Inch Lead Lengths
- LPM12 is a Red LED, LPMG12 is green, in a Mounting Bezel With 12" Leads
- LPM12 and LPMG12 Indicator Can Be Up to 500 Feet From The Sensor

Description: The LCS10T12 current sensor connected to the LPM12 or LPMG12 indicator is a low cost, easy-to-use system for the remote Go/No Go indication of the current flowing to a load. When the current flowing in the monitored wire is 5 ampere-turns or more, the LPM12 or LPMG12 will glow.

LPM 0.75"x 0.28"(19.0x7.1mm)
LCS 1.5"x .98" x .46"(38x25x12mm)
Hole .36"(9.1mm)
LPMG 0.75"x 0.28"(19.0x7.1mm)

Part Number	Item
LCS10T12	Sensor
LPM12	Red LED
LPMG12	Green LED