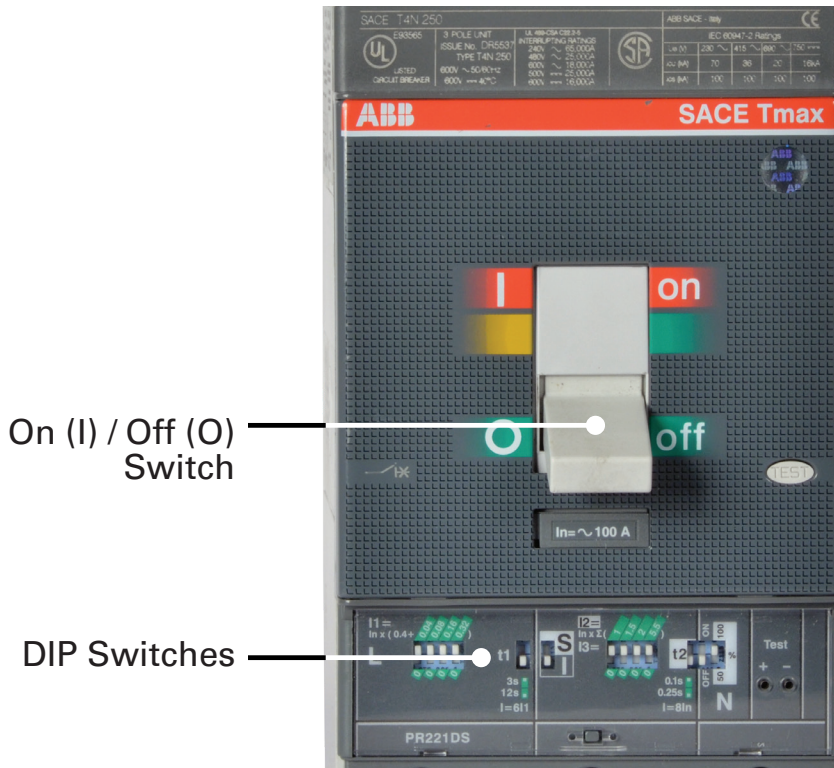
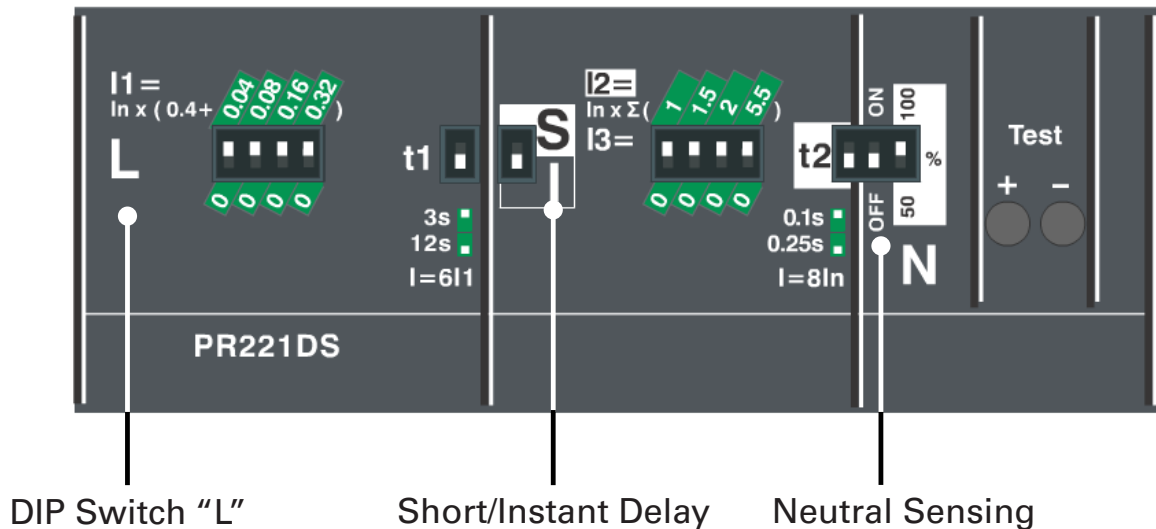


## Adjusting the Circuit Breakers

All Load Master products have adjustable breakers for the Cam outputs. The Current level of the circuit breakers is adjustable to match the load of the output receptacles. The circuit breakers are adjusted with dip switches located under a clear cover on each circuit breaker.



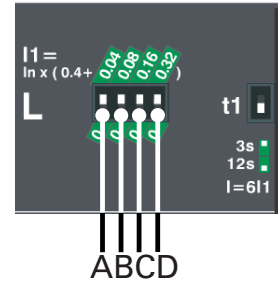
Breaker must be in the **OPEN / OFF** position before being adjusted.



## Adjusting the Circuit Breakers

### 240-600 Amp Circuit Breaker- DIP Switch Settings

1. Ensure the breaker is in the OPEN / OFF position
2. Set the DIP switches on the circuit breaker to the closest level indicated in the table below with the set level greater than the actual load
  - a. Only adjust the DIP switch labeled "L"
  - b. To adjust the circuit breaker, open the clear cover over the DIP switch using a small flathead screw driver
  - c. Move each switch (A, B, C, D) into the up or down position based on the table below to achieve the desired output current rating
  - d. Close the clear cover over the DIP switch

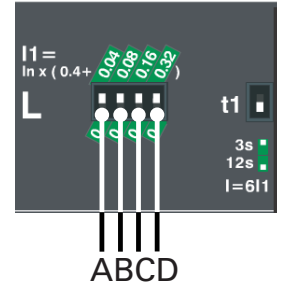


240-600 Amp Circuit Breaker Adjustment Settings			
Amps	Dipswitch Configuration	Amps	Dipswitch Configuration
240 Amps	UP DOWN	432 Amps	UP DOWN
264 Amps	UP DOWN	456 Amps	UP DOWN
288 Amps	UP DOWN	480 Amps	UP DOWN
312 Amps	UP DOWN	504 Amps	UP DOWN
336 Amps	UP DOWN	528 Amps	UP DOWN
360 Amps	UP DOWN	552 Amps	UP DOWN
384 Amps	UP DOWN	576 Amps	UP DOWN
408 Amps	UP DOWN	600 Amps	UP DOWN

## Adjusting the Circuit Breakers

### 160-400 Amp Circuit Breaker- DIP Switch Settings

1. Ensure the breaker is in the OPEN / OFF position
2. Set the DIP switches on the circuit breaker to the closest level indicated in the table below with the set level greater than the actual load
  - a. Only adjust the DIP switch labeled "L"
  - b. To adjust the circuit breaker, open the clear cover over the DIP switch using a small flathead screw driver
  - c. Move each switch (A, B, C, D) into the up or down position based on the table below to achieve the desired output current rating
  - d. Close the clear cover over the DIP switch

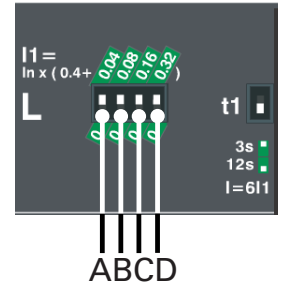


160-400 Amp Circuit Breaker Adjustment Settings			
Amps	Dipswitch Configuration	Amps	Dipswitch Configuration
160 Amps	UP DOWN	288 Amps	UP DOWN
176 Amps	UP DOWN	304 Amps	UP DOWN
192 Amps	UP DOWN	320 Amps	UP DOWN
208 Amps	UP DOWN	336 Amps	UP DOWN
224 Amps	UP DOWN	352 Amps	UP DOWN
240 Amps	UP DOWN	368 Amps	UP DOWN
256 Amps	UP DOWN	384 Amps	UP DOWN
272 Amps	UP DOWN	400 Amps	UP DOWN

## Adjusting the Circuit Breakers

### 100-250 Amp Circuit Breaker- DIP Switch Settings

1. Ensure the breaker is in the OPEN / OFF position
2. Set the DIP switches on the circuit breaker to the closest level indicated in the table below with the set level greater than the actual load
  - a. Only adjust the DIP switch labeled "L"
  - b. To adjust the circuit breaker, open the clear cover over the DIP switch using a small flathead screw driver
  - c. Move each switch (A, B, C, D) into the up or down position based on the table below to achieve the desired output current rating
  - d. Close the clear cover over the DIP switch

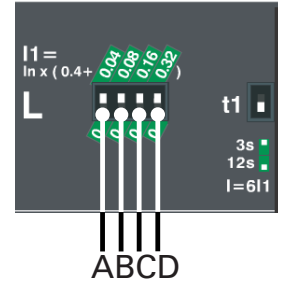


100-250 Amp Circuit Breaker Adjustment Settings			
Amps	Dipswitch Configuration	Amps	Dipswitch Configuration
100 Amps	UP DOWN	180 Amps	UP DOWN
110 Amps	UP DOWN	190 Amps	UP DOWN
120 Amps	UP DOWN	200 Amps	UP DOWN
130 Amps	UP DOWN	210 Amps	UP DOWN
140 Amps	UP DOWN	220 Amps	UP DOWN
150 Amps	UP DOWN	230 Amps	UP DOWN
160 Amps	UP DOWN	240 Amps	UP DOWN
170 Amps	UP DOWN	250 Amps	UP DOWN

## Adjusting the Circuit Breakers

### 60-150 Amp Circuit Breaker- DIP Switch Settings

1. Ensure the breaker is in the OPEN / OFF position
2. Set the DIP switches on the circuit breaker to the closest level indicated in the table below with the set level greater than the actual load
  - a. Only adjust the DIP switch labeled "L"
  - b. To adjust the circuit breaker, open the clear cover over the DIP switch using a small flathead screw driver
  - c. Move each switch (A, B, C, D) into the up or down position based on the table below to achieve the desired output current rating
  - d. Close the clear cover over the DIP switch



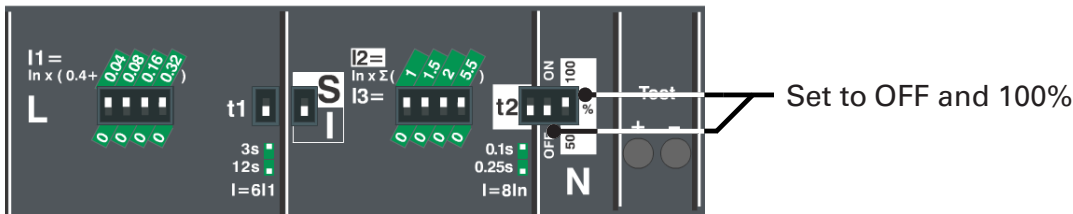
60-150 Amp Circuit Breaker Adjustment Settings			
Amps	Dipswitch Configuration	Amps	Dipswitch Configuration
60 Amps	UP DOWN	108 Amps	UP DOWN
66 Amps	UP DOWN	114 Amps	UP DOWN
72 Amps	UP DOWN	120 Amps	UP DOWN
78 Amps	UP DOWN	126 Amps	UP DOWN
84 Amps	UP DOWN	132 Amps	UP DOWN
90 Amps	UP DOWN	138 Amps	UP DOWN
86 Amps	UP DOWN	144 Amps	UP DOWN
102 Amps	UP DOWN	150 Amps	UP DOWN

## TROUBLESHOOTING

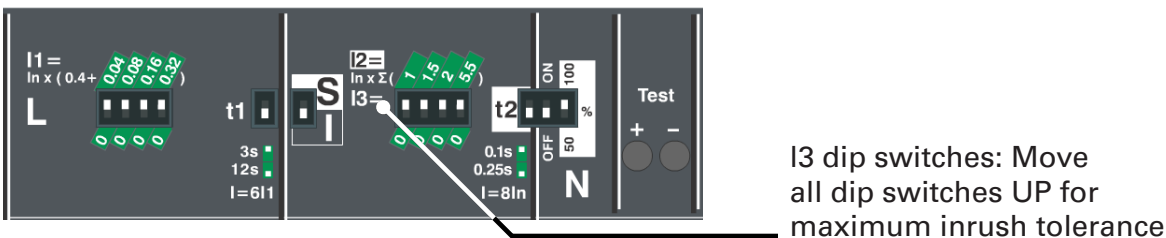
To help determine what has caused a circuit breaker to trip, it is important to configure the simplest possible power distribution system set-up under which the problem still occurs. The loads connected to the system might exceed the circuit breaker rating, in which case a larger power distribution unit would be needed. If a larger power distribution unit is needed, contact Lex Products with the load information and requirements of the specific application to determine the appropriate power distribution system.

### Circuit Breaker Tripping During Normal Operation

1. Verify whether circuit breaker long delay settings are set as needed
  - a. Ensure the N setting is at 100% and the ON/OFF functionality next to the N is set to OFF
  - b. These dip switches are intended for specialized single phase applications and do not apply to the Load Master series under normal operation
2. Retry turning on the circuit after adjustments are made



3. If a large inductive load such as an air conditioner was turned on when the circuit breaker tripped, raise inrush settings or increase the trip time delay
  - a. The inrush settings can be adjusted by turning on the dip switches for I3.
  - b. All dip switches up will result in the maximum inrush tolerance of ten times the circuit breaker rating



### Circuit Breaker Tripping When Powering Up

1. Follow the steps outlined for circuit breakers tripping during normal operation
2. If the issue persists, disconnect the output connections from the circuit breaker that is tripping
3. Turn on all circuit breakers
  - a. If the circuit breaker trips, contact Lex Products for technical assistance
  - b. If the circuit breaker does not trip proceed to the next step
4. Connect the cable to the corresponding circuit breaker outlets and turn off all attached loads
5. Turn on the circuit breaker
  - a. If the circuit breaker trips, disconnect cabling used and check for short circuits
  - b. Turn off all circuit breakers, check the cabling connected to the unit, and check connected loads for shorts circuits