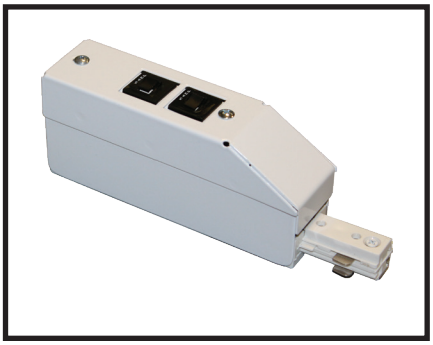
TSC - TRACK CURRENT LIMITERS

ON-BOARD TRACK CURRENT LIMITER

MANUFACTURED IN THE UNITED STATES - IBEW



Times Square **Track Current Limiters** are designed to provide an answer to energy limitations on wattage-per-foot requirements for lighting track installations. Some newer energy codes set a rating of 30 to 70 watts per linear foot of track irrespective of the actual wattage that is meant to be used on the track, unless a current limiting device is permanently installed between the track and the line feeding it. Times Square current limiters are available in over 12 different current ratings.

Available in black, white and silver finishes. Custom colors are available by request and at an additional charge.

FEATURES

- Available with ratings from 1-10, 12 and 15 Amps (others available as special order), 120 & 277 Volts
- Available for use with commercial or specification grade track
- Linear limiters will fit into recessed track sleeves where track sleeves are available.

DESIRED WATTAGE	CKT RATING (AMPS)
120	1
240	2
360	3
480	4
600	5
720	6
840	7
960	8
1080	9
1200	10
1440	12
1800	15

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SPECIFY:

MODEL	TRACK TYPE	FEED STYLE
TSC	**L** Comm Grade 1 Ckt 120V **G** Spec Grade 1 Ckt 120V G-Series **T** Spec Grade 2 Ckt 120V G-Series **A** Spec Grade 2 Ckt 277V G-Series ****** **X** Spec Grade 3 Ckt 120V G-Series **†** **P** Spec Grade Curved Track, 3 Ckt 120V w/ Control Bus **Z** Spec Grade 2 Ckt 120V w/ Control Bus SpecTrac **Y** Spec Grade 2 Ckt 277V w/ Control Bus SpecTrac **Q** Spec Grade 3 Ckt 120V w/ Control Bus SpecTrac **M** Spec Grade 2 Ckt 120V w/ Control Bus SpecTrac Recessed Flanged **††** **V** Spec Grade 2 Ckt 277V w/ Control Bus SpecTrac Recessed Flanged **††**	**E** End Feed **F** Feed Thru **R** Linear **N** 90° Feed Thru

COLOR	1ST CIRCUIT BREAKER	2ND CIRCUIT BREAK (IF REQUIRED)	3RD CIRCUIT BREAK (IF REQUIRED)
B Black **W** White **S** Silver **C** Custom	**1** 1 Amp **2** 2 Amp **3** 3 Amp **etc.***	**1** 1 Amp **2** 2 Amp **3** 3 Amp **etc.***	**1** 1 Amp **2** 2 Amp **3** 3 Amp **etc.***

*** Also available as standard:** 4-10, 12 and 15. Other ratings available as special order - consult factory.
****** Not available in Linear configuration.
† Not available in 90° Feed Thru configuration.
†† Linear only with integral flange.

ORDERING INFORMATION

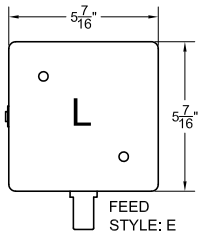
PROJECT:	
LOCATION:	
QUANTITY:	
CONTACT:	
PHONE:	
EMAIL:	

EXAMPLE: TSC-Z-E-B-1-1

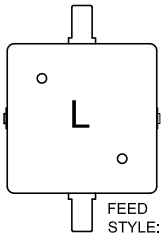
MODEL	TRACK TYPE	FEED STYLE	COLOR	1ST CKT (IF REQUIRED)	2ND CKT (IF REQUIRED)	3RD CKT (IF REQUIRED)
TSC						

5 Holt Drive, Stony Point, NY 10980 • (845) 947-3034

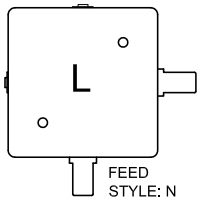
Commercial Grade Surface/Pendant/Outlet-Box Mount Current Limiter with Live End Connector, 120V, 1 Ckt Breaker.



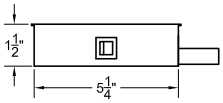
Commercial Grade Surface/Pendant/Outlet-Box Mount Current Limiter with Feed Thru Live End Connectors, 120V, 1 or 2 Ckt Breakers



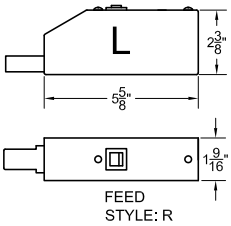
Commercial Grade Surface/Pendant/Outlet-Box Mount Current Limiter with 90° Feed Thru Live End Connectors, 120V, 1 or 2 Ckt Breakers



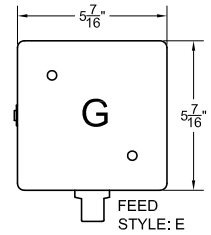
Side View of Commercial Grade Surface/Pendant/Outlet-Box Mount Current Limiter



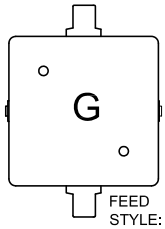
Commercial Grade Surface/Pendant/Cable Mount Linear Current Limiter with Live End Connector, 120V, 1 Ckt Breaker



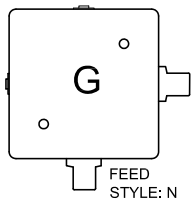
GES ECO Specification Grade Surface/Pendant/Outlet-Box Mount Current Limiter with Live End Connector, 120V, 1 Ckt Breaker



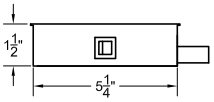
GES ECO Specification Grade Surface/Pendant/Outlet-Box Mount Current Limiter with Feed Thru Live End Connectors, 120V, 1 or 2 Ckt Breakers



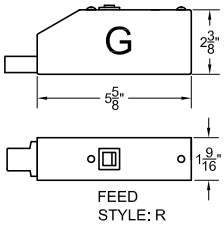
GES ECO Specification Grade Surface/Pendant/Outlet-Box Mount Current Limiter with 90° Feed Thru Live End Connectors, 120V, 1 or 2 Ckt Breakers



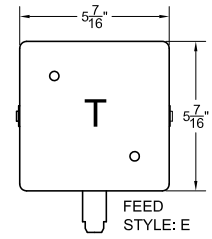
Side View of GES ECO Specification Grade Surface/Pendant/Outlet-Box Mount Current Limiter



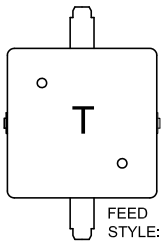
GES ECO Specification Grade Surface/Pendant/Cable Mount Linear Current Limiter with Live End Connector, 120V, 1 Ckt Breaker



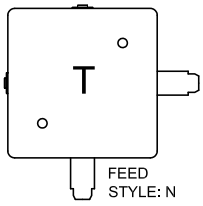
G Series Specification Grade Surface/Pendant/Outlet-Box Mount Current Limiter with Live End Connector, 120V, 1 or 2 Ckt Breakers



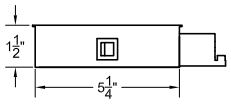
G Series Specification Grade Surface/Pendant/Outlet-Box Mount Current Limiter with Feed Thru Live End Connectors, 120V, 1 or 2 Ckt Breakers



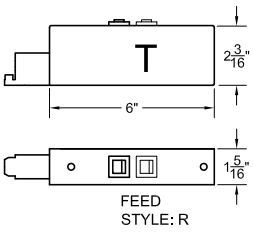
G Series Specification Grade Surface/Pendant/Outlet-Box Mount Current Limiter with 90° Feed Thru Live End Connectors, 120V, 1 or 2 Ckt Breakers



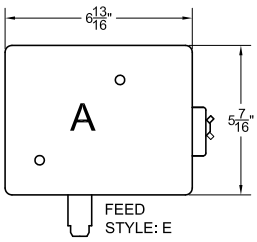
Side View of G Series 120V Specification Grade Surface/Pendant/Outlet-Box Mount Current Limiter



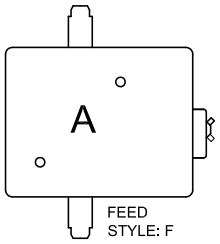
G Series Specification Grade Surface/Pendant/Cable/Track-Sleeve Mount Linear Current Limiter with Live End Connector, 120V, 1 Ckt Breaker. Also contains Track Sleeve mounting screw if needed.



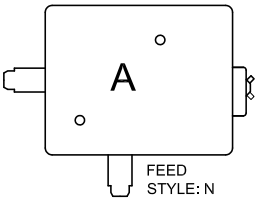
G Series Specification Grade Surface/Pendant/Outlet-BoxMount Current Limiter with Live End Connector, 277V, 1 or 2 Ckt Breakers



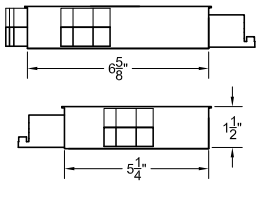
G Series Specification Grade Surface/Pendant/Outlet-Box Mount Current Limiter with Feed Thru Live End Connectors, 120V, 1 or 2 Ckt Breakers



G Series Specification Grade Surface/Pendant/Outlet-Box Mount Current Limiter with 90° Feed Thru Live End Connectors, 120V, 1 or 2 Ckt Breakers



Side Views of G Series 277V Specification Grade Surface/Pendant/Outlet Box Mount Current Limiter

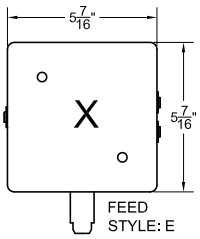


TSC - TRACK CURRENT LIMITERS

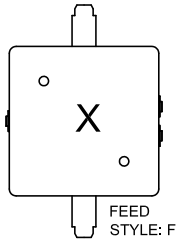
ON-BOARD TRACK CURRENT LIMITER

MANUFACTURED IN THE UNITED STATES - IBEW

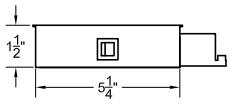
3 Ckt G Series Specification Grade Surface/Pendant/Outlet-Box Mount Current Limiter with Live End Connector, 120V, 3 Ckt Breakers



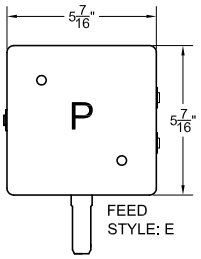
3 Ckt G Series Specification Grade Surface/Pendant/Outlet-Box Mount Current Limiter with Feed Thru Live End Connectors, 120V, 3 Ckt Breakers



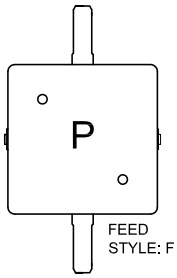
Side View of 3 Ckt G Series 120V Specification Grade Surface/Pendant/Outlet-Box Mount Current Limiter



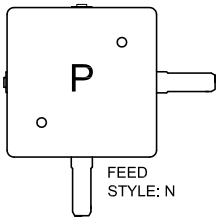
Specification Grade Curved Track Surface/Pendant/Outlet-Box Mount Current Limiter with Live End Connector, 120V, 1 to 3 Ckt Breakers. Also contains Control Bus Hookup if needed.



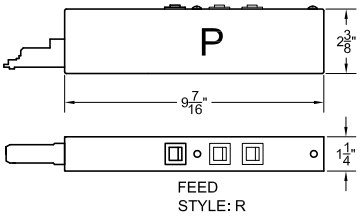
Specification Grade Curved Track Surface/Pendant/Outlet-Box Mount Current Limiter with Feed Thru Live End Connectors, 120V, 1 or 2 Ckt Breakers. Also contains Control Bus Hookup if needed.



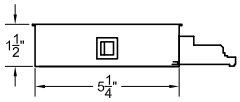
Specification Grade Curved Track Surface/Pendant/Outlet-Box Mount Current Limiter with 90° Feed Thru Live End Connectors, 120V, 1 or 2 Ckt Breakers. Also contains Control Bus Hookup if needed.



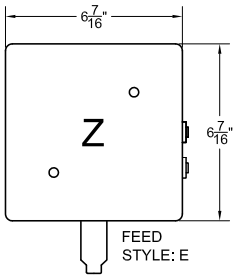
Specification Grade Curved Track Surface/Pendant/Cable Mount Current Limiter with Live End Connector, 120V, 1 to 3 Ckt Breakers. Also contains Control Bus and Track Sleeve mounting screw if needed.



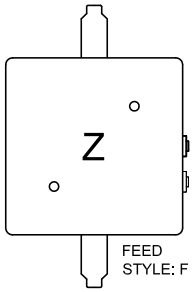
Side View of Specification Grade Curved Track Surface/Pendant/Outlet Box Mount Current Limiter



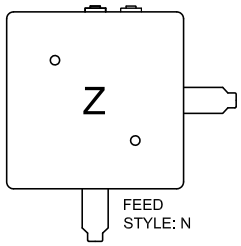
Specification Grade SpecTrac Surface/Pendant/Outlet Box Mount Current Limiter with Live End Connector, 120V, 1 or 2 Ckt Breakers. Also contains Control Bus Hookup if needed.



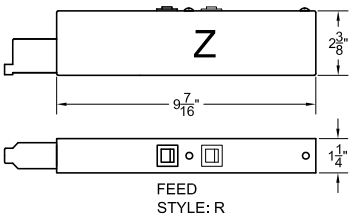
Specification Grade SpecTrac Surface/Pendant/Outlet Box Mount Current Limiter with Feed Thru Live End Connectors, 120V, 1 or 2 Ckt Breakers. Also contains Control Bus Hookup if needed.



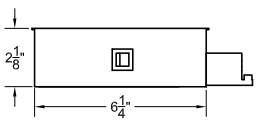
Specification Grade SpecTrac Surface/Pendant/Outlet Box Mount Current Limiter with 90° Feed Thru Live End Connectors, 120V, 1 or 2 Ckt Breakers. Also contains Control Bus Hookup if needed.



Specification Grade SpecTrac Surface/Pendant/Cable/Track-Sleeve Mount Current Limiter with Live End Connector, 120V, 1 or 2 Ckt Breakers. Also contains Control Bus and Track Sleeve mounting screw if needed.



Side View of Specification Grade SpecTrac 120V Surface/Pendant/Outlet-Box Mount Current Limiter



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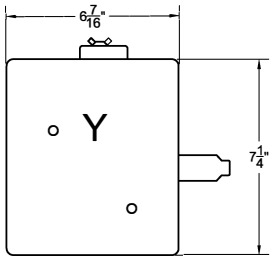
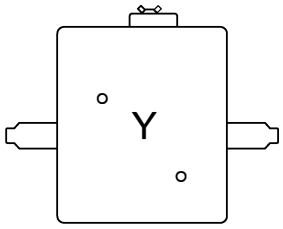
Specification Grade SpecTrac Surface/Pendant/Outlet-Box Mount Current Limiter with Live End Connector, 277V, 1 or 2 Ckt Breakers. Also contains Control Bus Hookup if needed.



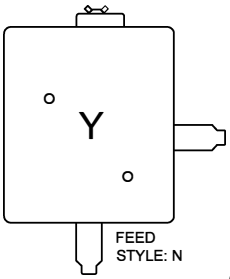
FEED
STYLE: E

Specification Grade SpecTrac Surface/Pendant/Outlet-Box Mount Current Limiter with Feed Thru Live End Connectors, 277V, 1 or 2 Ckt Breakers. Also contains Control Bus Hookup if needed.



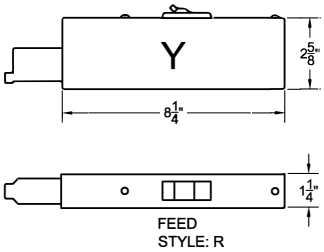
FEED
STYLE: F

Specification Grade SpecTrac Surface/Pendant/Outlet-Box Mount Current Limiter with 90° Feed Thru Live End Connectors, 277V, 1 or 2 Ckt Breakers. Also contains Control Bus Hookup if needed.

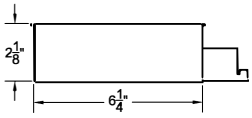


FEED
STYLE: N

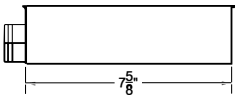
Specification Grade SpecTrac Surface/Pendant/Cable/Track-Sleeve Mount Current Limiter with Live End Connector, 277V, 1 Ckt Breaker. Also contains Control Bus and Track Sleeve mounting screw if needed.



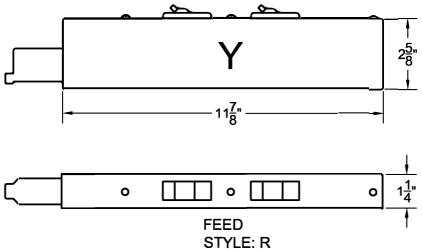
FEED
STYLE: R



Side Views of Specification Grade SpecTrac 277V Surface/Pendant/Outlet-Box Mount Current Limiter

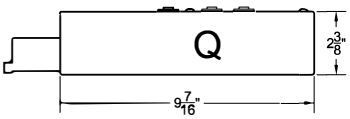


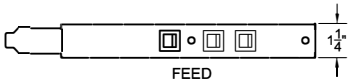
Specification Grade SpecTrac Surface/Pendant/Cable/Track-Sleeve Mount Current Limiter with Live End Connector, 277V, 2 Ckt Breakers. Also contains Control Bus and Track Sleeve mounting screw if needed.



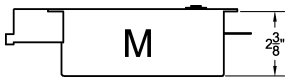
FEED
STYLE: R

Specification Grade SpecTrac 3 Ckt Surface/Pendant/Cable/Track-Sleeve Mount Current Limiter with Live End Connector, 120V, 1 to 3 Ckt Breakers. Also contains Control Bus and Track Sleeve mounting screw if needed.

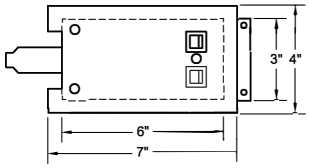




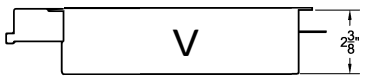
FEED
STYLE: R



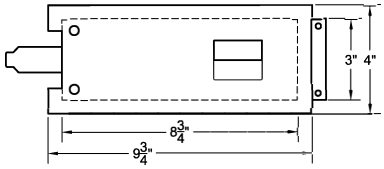
Specification Grade Recessed Flanged SpecTrac Current Limiter with Live End Connector and Flange, 120V, 1 or 2 Ckt Breakers. Also contains Control Bus if needed.



FEED
STYLE: R



Specification Grade Recessed Flanged SpecTrac Current Limiter with Live End Connector and Flange, 277V, 1 or 2 Ckt Breakers. Also contains Control Bus if needed.



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Notes on Factory Wiring Schemes (all Facory Wiring Schemes are field changable):

1. 2 circuit units with one circuit breaker will be factory wired with both circuits on the single breaker.
2. 3 circuit units with one circuit breaker will be factory wired with all circuits on the single breaker.
3. 3 circuit units with two circuit breakers will be factory wired with circuit #1 on the first breaker, circuit #2 on the second breaker, and circuit #3 will be unwired.
4. 2 and 3 circuit units with two circuit breakers of different value will be factory wired with the larger value breaker on circuit #1.
5. 3 circuit units with three circuit breakers of different value will be factory wired with the larger value breaker on circuit #1, and with the middle value breaker on circuit #2.
6. 3 circuit units with two circuit breakers of a same higher value and one of a lower value will be factory wired with the lower value breaker on circuit #3.
7. 3 circuit units with two circuit breakers of a same lower value and one of a higher value will be factory wired with the higher value breaker on circuit #1.

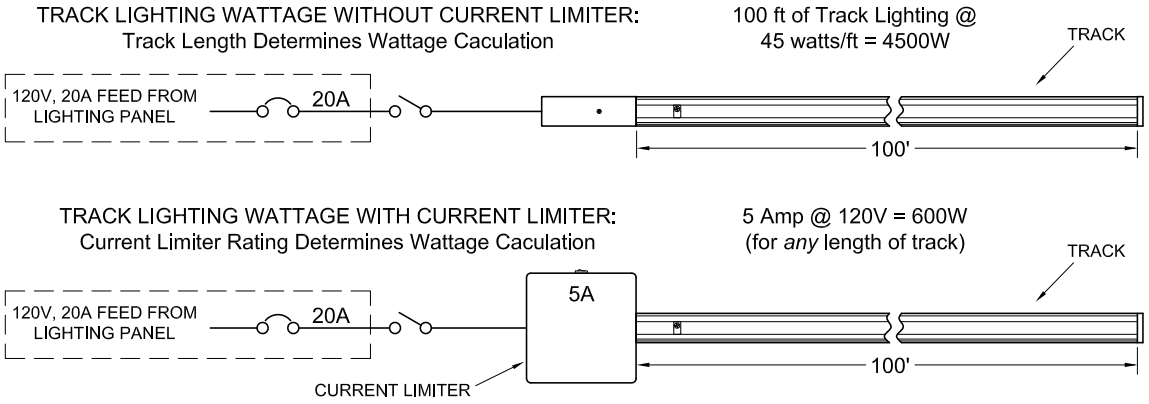
TSC - TRACK CURRENT LIMITERS

ON-BOARD TRACK CURRENT LIMITER

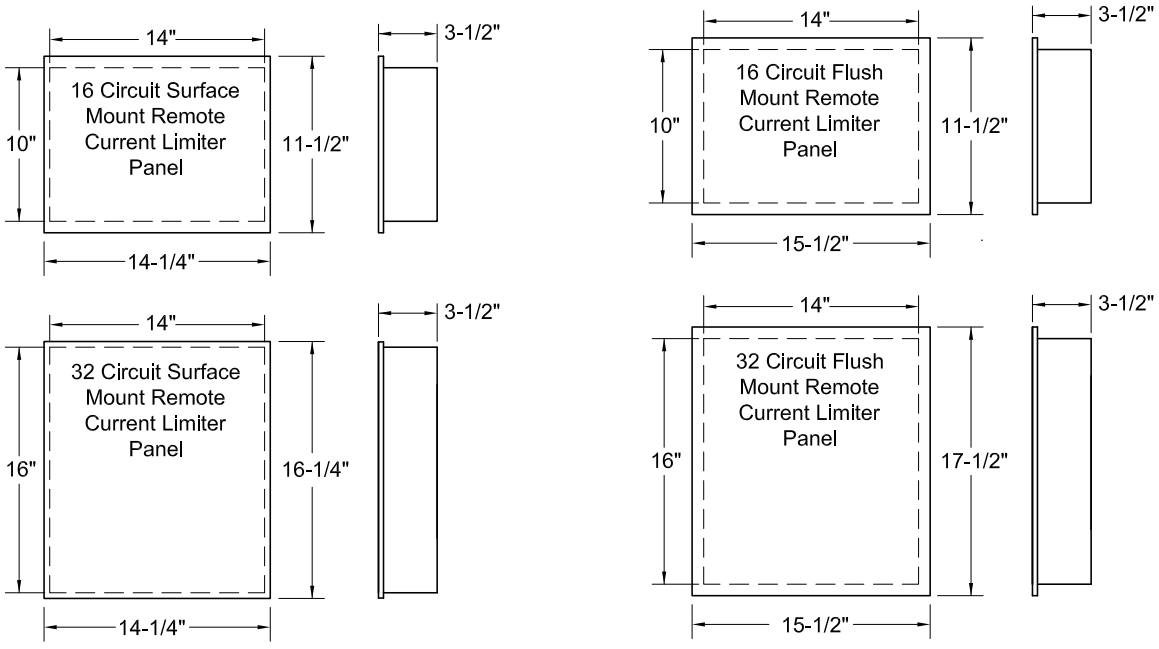
MANUFACTURED IN THE UNITED STATES - IBEW

ABOUT CURRENT LIMITERS

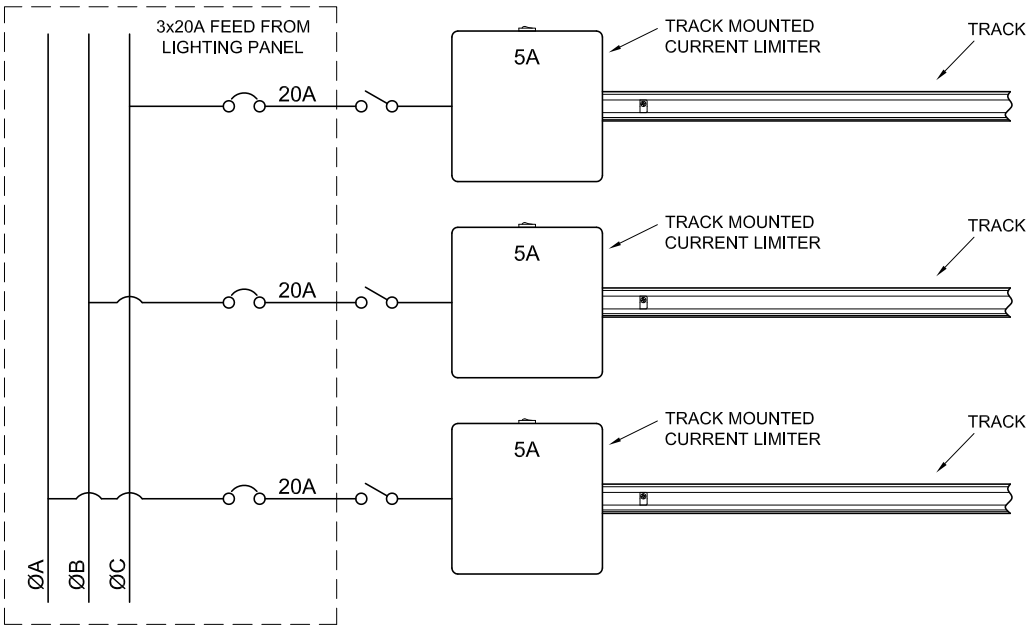
Current Limiters are designed to provide an answer to energy limitations on wattage per foot requirements for track lighting installations. Some newer energy codes set a rating of up to 45 watts per linear foot of track irrespective of the actual wattage that is meant to be used on the track, unless a current limiting device is permanently installed between the track and the branch circuit feeding it. The diagrams below illustrate the difference in wattage calculations based on a hypothetical 100' layout with and without a Current Limiter installed. Note: Neutral conductors not shown for clarity.

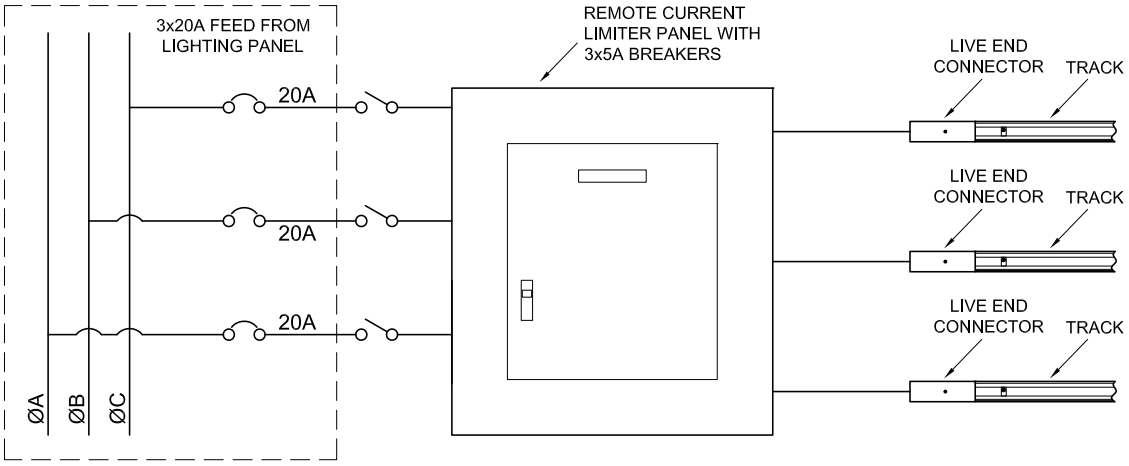


Current Limiters are available in two types: Track and Remote. Track mounted Current Limiters attach to the track the same way Connectors do. Remote Current Limiters are in the form of circuit breaker panels. Each circuit breaker within a panel has its own input and output - there is no common bus on the line side, keeping all circuits discrete. These panels come in two sizes and two mounting styles: Surface and Flush Mount. NOTE: Current Limiter Panels should be installed after the lighting branch circuit panel(s) and before any other lighting control equipment. Current Limiter Panels are generally mounted in close proximity to the lighting branch circuit panel(s). NOTE: All Current Limiter Panels have a plurality of concentric knock-outs on top and bottom surfaces.



The diagrams below illustrate an example of both Current Limiter types. Each example has 3 track layouts connected to individual 5 Amp current limiters all fed from individual 20A branch circuits. In all cases, the Neutral conductors (not shown for clarity) pass through the Current Limiters. Both types serve the same function, but each has its own particular advantages. The factory can offer some guidance as to which type might be more suited to a particular layout.





TSC - TRACK CURRENT LIMITERS

ON-BOARD TRACK CURRENT LIMITER

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The diagrams below illustrate just seven out of *many* ways that a hypothetical 4.8 watts per linear foot can be achieved on a sample layout of two individual track runs of 50' and 75'. In all cases, the Neutral conductors (not shown for clarity) pass through the Current Limiters. Switches, dimmers, and the like are not shown for clarity, but they can be interposed anywhere in the line feeding the track itself. With the exception of Linear Current Limiters, all other types can be rewired in the field to allow for switches, dimmers, and the like to be added as well as having circuits spliced within the Current Limiter housings. **CAUTION:** The integral circuit breakers within the housing are never to be tampered with, replaced with a higher value or bypassed.