

# TrackMiser® Current Limiting Sub Panel

## Technical Data and Installation Instructions

### GENERAL PRECAUTIONS

This control unit must **ONLY** be installed by a qualified installer.

All wiring must conform to the national electrical code (NFPA-70) and to all local ordinances.

### **WARNING!**

Do not use on branch circuits exceeding the specified voltage or current ratings. Exceeding these ratings will permanently damage the sub panel and could cause a fire or shock hazard.

### **CAUTION!**

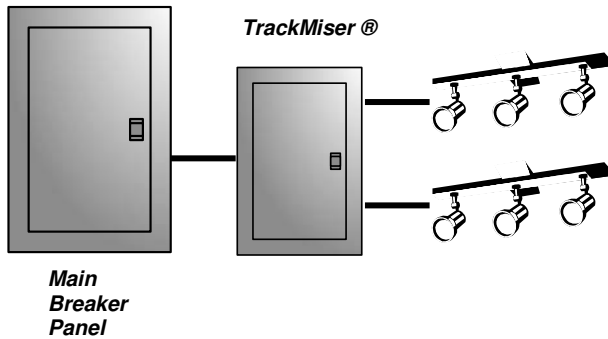
To prevent electrical shock and/or equipment damage, disconnect power to the system either at the main fuse, circuit breaker, or AC mains cutout before attempting installation or servicing of this sub panel. Tag the disconnect location to prevent unexpected activation during servicing.

### NOTE

Wiring errors can cause improper and dangerous operation. Therefore, properly label all wires prior to disconnection when installing or servicing this control unit.

Following installation or replacement of this sub panel, adhere to manufacturers' recommended installation and service instructions to ensure proper operation.

### TYPICAL SYSTEM CONFIGURATION



### ENCLOSURE

Surface or Flush Mount, Type 1, UL Listed, neutral and ground terminals provided for all output circuits.

#### Small Enclosure:

Up to 12 breakers per enclosure.

Dimensions ..... 16" high x 14" wide x 4" deep

Enclosure Weight (with breakers) ..... 16.5 lbs (approx)

#### Medium Enclosure:

Up to 24 breakers per enclosure.

Dimensions ..... 25" high x 14" wide x 4" deep

Enclosure Weight (with breakers) ..... 27.5 lbs (approx)

#### Large Enclosure

Up to 42 breakers per enclosure.

Dimensions ..... 33.25" high x 14" wide x 4" deep

Enclosure Weight (with breakers) ..... 36 lbs (approx)

### BREAKERS

DIN Rail Mounted Single Pole, UL 489 listed, File # E192487  
UL rated 120 VAC, 240 VAC

Breaker Values, Specified by Customer ..... 0.5-13 amps

Operating Temperature Range ..... >-40°C; <60°C

Max. Interrupting Capacity (120VAC)..... 10kA

To release breakers from the DIN rail, pull the yellow tab at the base of the breaker. To secure breakers, align on the DIN rail using the relief in the back of the breaker, push yellow tab in.

### WIRING

The Track Miser® must be field wired. Refer to electrical prints for circuit to breaker wiring designations.

Use only copper conductors rated at 60°C, or better.

**TrackMiser® is a current limiting sub-panel meant to be installed between the branch circuit breaker panel and the track lighting. Its purpose is to help meet energy codes by reducing the lighting load calculation. It is not a main breaker panel.**

### INSTALLATION & WIRING NOTES

**NOTE 1:** Disconnect main breaker and branch circuit breakers prior to wiring.

**NOTE 2:** All wiring should conform to applicable local and national electric codes.

1. TrackMiser® breakers **should be in the "OFF" position.**
2. The TrackMiser® should be surface mounted. Fasten the enclosure to the wall with screws using the pre-cut holes in the back of the enclosure.
3. Determine wiring and/or conduit requirements and remove the appropriate knockouts. See table in "enclosure" section for more detail.
4. Install branch circuit and neutral wires in accordance with main breaker or other load center instructions.
5. Wire each circuit to the appropriate terminal on the current limiting breaker using electrical prints.
6. Turn main breaker and branch circuit breakers on.