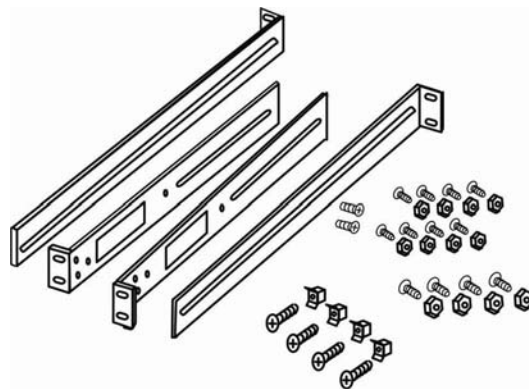


## INSTALLATION GUIDE FOR THE ENVIROMUX-RL-16D



### INTRODUCTION

The NTI ENVIROMUX-RL-16D Extension Rail Kit enables the easy mounting of ENVIROMUX-S420MA-24V, ENVIROMUX-S5VDC, ENVIROMUX-ACDCLM and ENVIROMUX-S60VDC sensor converters in close proximity to the ENVIROMUX-16D. The Extension Rail Kit is designed to be mounted in a rack 19"-29.5" deep.

### MATERIALS SUPPLIED

- 2- Front mounting brackets
- 2- Rear mounting brackets
- 4- #10-32 Cage nuts (HW5118)
- 4- #10-32 x 3/4" pan head screws (HW5123)
- 8- #6-32 x 3/8" pan head screws (HW3088)
- 4- #6-32x1/4" flat head screws (HW5133)
- 8- #6-32 Keps nuts (HW4165)
- 4- #10-32 x 3/8" pan head screws (HW5125)
- 4- #10-32 Keps nuts (HW5114)

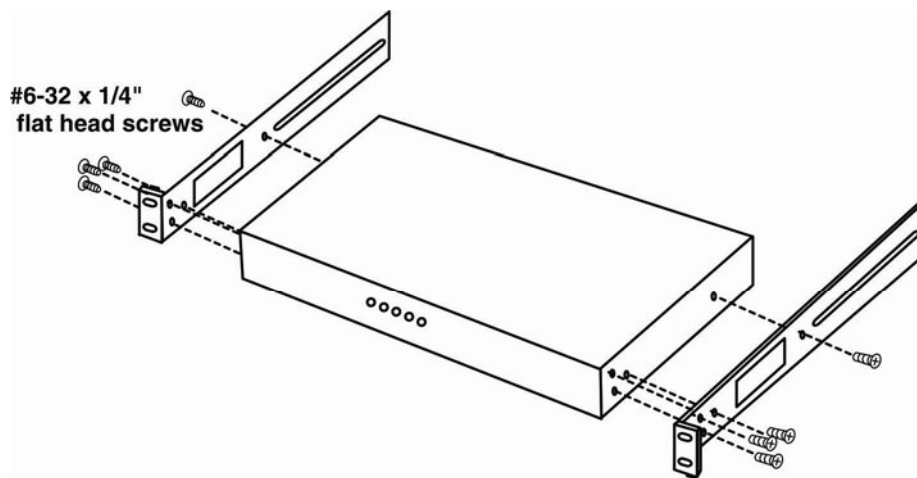
### MATERIALS SEPARATELY SUPPLIED WITH ENVIROMUX-16D (to be used in this installation):

- 4- #10-32 Cage nuts (HW5118)
- 4- #10-32 x 3/4" pan head screws (HW5123)
- 6- #6-32X1/4" Flat head screws (HW5133)

**TIP:** We recommend using a magnetic screwdriver to install hardware to make screw placement easier.

### INSTALLATION

1. Mount the Front rails to the ENVIROMUX-16D using the #6-32 x 1/4" flat head screws (6 were provided with the ENVIROMUX-16D for applying rack-mounting ears and 4 more were provided with this kit).

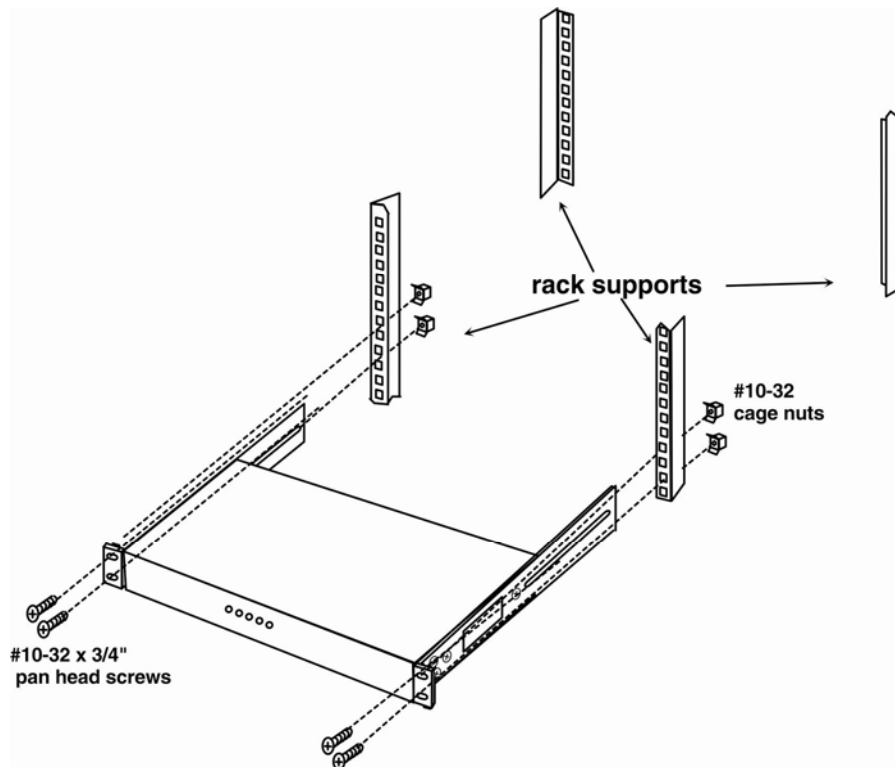


2-Extra #6-32x1/4" screws are provided to use if needed.

**Attach ENVIROMUX-RL-16D front  
extension rails to the ENVIROMUX-16D**

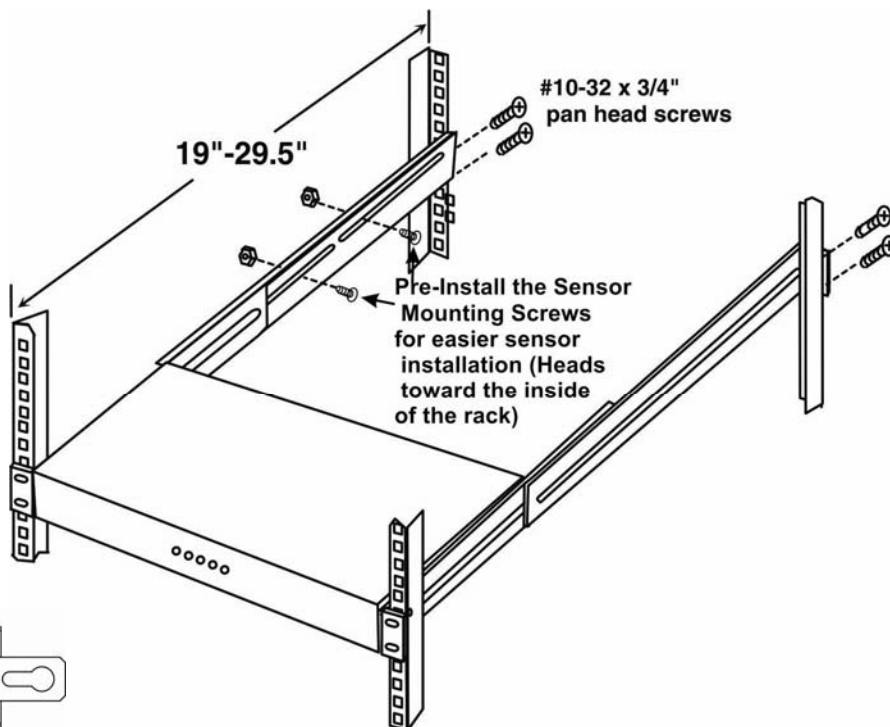
2. Determine the location in the rack where the ENVIROMUX-16D will be mounted. At least 1-3/4" of vertical space will be required.

3. Set the ENVIROMUX-16D with the attached front rails against the rack supports at the desired location and where the holes in the front rails line up with openings in the rack supports, install two cage nuts per rail. Then secure the ENVIROMUX-16D to the nuts with the #10-32 x 3/4" screws provided. (Four cage nuts and screws were provided with the ENVIROMUX-16D and four more with this kit.)

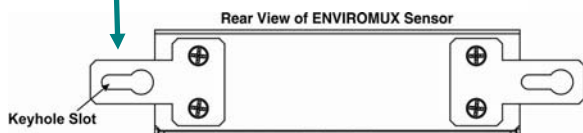


**Attach ENVIROMUX-16D to rack supports**

4. Mount the rear rails to the rear rack supports at positions directly behind the front rails such that the rear rails overlap the front rails on the outside of the rails. Secure each rail with two cage nuts and #10-32 x 3/4" screws.

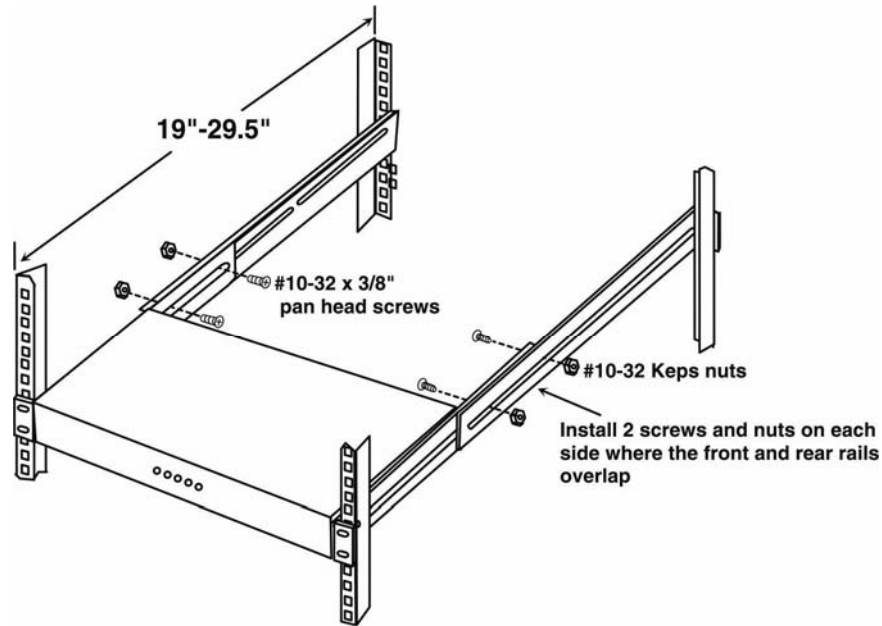


**TIP:** To make installation easier, consider installing the sensor mounting screws and nuts before mounting the rear rails. Be sure to place the heads of the screws towards the inside of the rack. Sensors will easily be able to be applied to the screws using the keyhole slots in the mounting brackets.



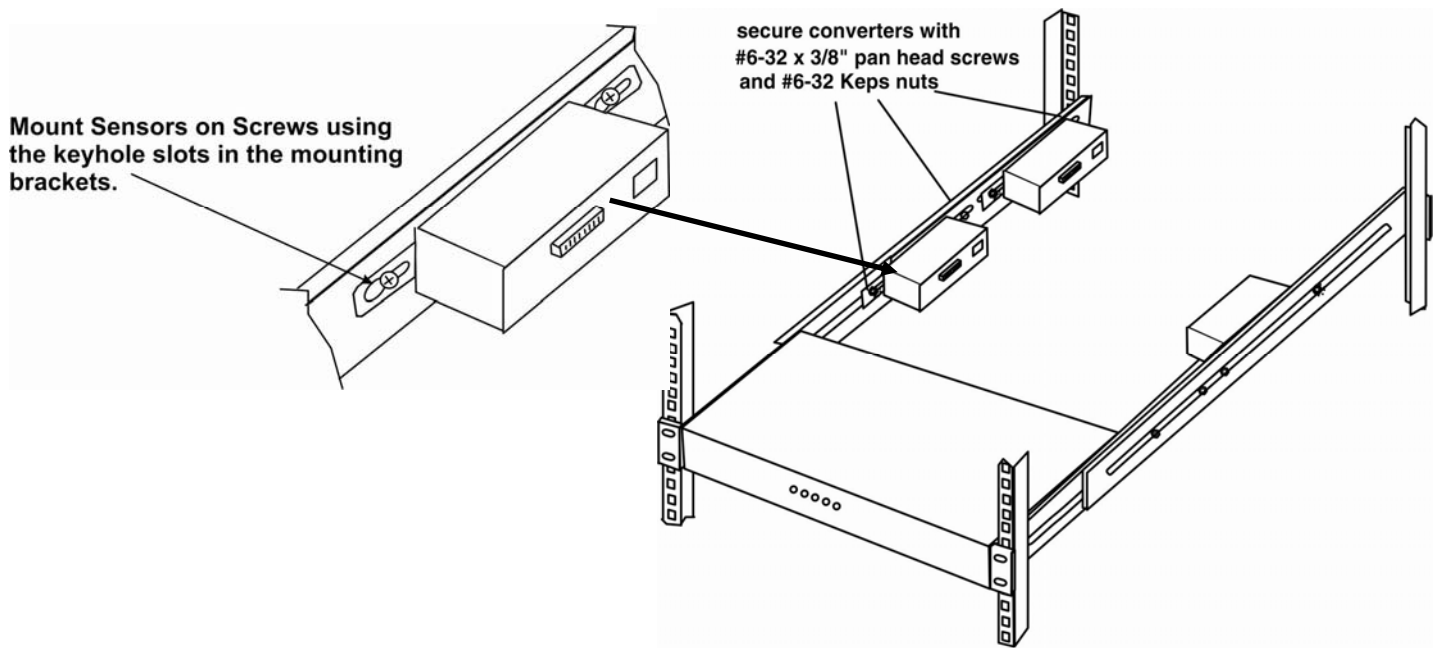
**Attach rear extension rails to rack**

5. Install two #10-32 x 3/8" pan head screws and Keps nuts in locations where the front and rear rails overlap, to hold them securely together. (See figure below)



**Attach rear extension rails to front rails**

6. Mount sensor converters (up to four) to positions in the rails as desired using the remaining #6-32 x 3/8" pan head screws and Keps nuts provided. Sensor converters have mounting ears for easy installation (see the instructions that accompany the sensor converters for more on mounting ears).



**Attach Sensor Converter(s)**

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