

Installation Instructions

# FRS/LRS (Fairfield Rail Systems)



# Preface

## Important, Please Read Carefully

Thank you for your purchase with Amico Accessories Inc.

This unit is designed for long lasting performance, providing the end user complies with assembly and maintenance procedures. This Instruction Manual is your guide to ensure that you get the best performance out of the equipment. Amico Accessories Inc. is not responsible for any damage as a result of **(but not limited to)** abuse and other problems that may be a direct or indirect result of failure to comply with the instructions provided in this manual.

The tools used in this manual are either imperial or metric. Any metric conversions included for imperial measurements are approximate and may be omitted if only imperial tools and/or hardware are compatible.

## Please Note These Key Words and Symbols:



### **WARNING**

Steps where extra care should be taken to prevent injuries and damage.



### **NOTE**

Steps that point out helpful information.

## Medical Facility Responsibilities

Preventive maintenance checks must be performed regularly to maintain the quality and performance of this product. Any parts that may be broken, missing, worn, distorted or contaminated in any way should not be used and all affected parts should be replaced immediately. Should the necessity of any repair be suspected, please contact your local distributor or call 877.264.2697.

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# Section 1: Product Specifications

## Features

Amico Accessories Inc. Fairfield Rails consist of both the Heavy Duty Fairfield Rail and the Light Duty Fairfield Rail. These rail systems both accommodate your facility's mounting needs for light and heavy weight accessories. The Fairfield Rails also coordinate with an array of useful mounting brackets.

### FRS (HEAVY DUTY FAIRFIELD RAIL):

- Extended profile for superior support
- Can be mounted on the wall, direct bracket mount or wall mount
- Designed for horizontal applications
- Laminate inserts allow color customizing
- Available in a wide variety of lengths

### LRS (LIGHT DUTY FAIRFIELD RAIL):

- Simple, functional and economic solution for patient care environment
- Designed for horizontal applications
- Slim profile ideal for adding to existing equipment
- Laminate inserts allow color customizing
- Available in a wide variety of lengths

# Section 2: Installation Preparation

## Installation Tools and Parts Required

 **NOTE:** Amico Accessories Inc. does not provide any tools or hardware necessary for installation.

 **NOTE:** Amount of screws varies depending on channel length

### Wall Mount:

FRS or LRS Rail, #12 x 2½" High Tensile Phillips Sheet Metal Screws.

### FRS/Extended Bracket Mounting:

FRS Rail, Extended Brackets, #12 x 2½" High Tensile Phillips Sheet Metal Screws.

### FRS/Direct Bracket Mounting:

FRS Rail, #12 x 2½" High Tensile Phillips Sheet Metal Screws, Direct Brackets.

## Section 2: Installation Preparation

### **Pre-Installation Information (PLEASE READ CAREFULLY BEFORE STARTING)**

Although considerable effort has been made in this manual to ensure safety, the installation itself is beyond the control of Amico Accessories Inc. Accordingly, Amico Accessories Inc. will not be responsible for the failure of any such installation.

**⚠ WARNING:** It shall be the responsibility of the hospital, its consultants and/or contractors to determine that the wall is adequate to safely mount the specific instrument. This includes the selection of appropriate fasteners and proper installation. The following is guideline information only. See rail instructions for specific wall channel guideline information.

### **FOR OTHER WALL BACKINGS NOT SPECIFIED IN THIS MANUAL:**

Contact your structural engineer or contact Amico Accessories Inc. to discuss solutions.

# Section 3: Installation on Mounting Platform

## Instructions for Installation

### Locating the Rail

Generally, the bottom edge of the rail is placed 56" (142.24 cm) above the floor, plus or minus 4" (10.16 cm). Devices may require lower channel placement. Access to device controls should be considered before mounting the rail.

Allow clearance on either side of the rail to clear objects such as overbed lighting, privacy curtains, adjacent walls or columns, door swing arcs, etc. Power and signal outlets should be considered when selecting a rail location. Avoid oxygen, vacuum and air outlets and allow space for attendant flowmeters and vacuum regulators.

**⚠ WARNING:** Do not place any portion of the device over a patient bed.

### Drywall (Gypsum Board) Over 16 Gauge Sheet Metal or Wood Studs

The rail must be anchored into the stud. Locate the exact centerline of the stud. Drive a #4 finishing nail through the drywall to contact the stud. Withdraw and drive a 3/8" (9.52 mm) nail right and left until the edges of the stud have been located and hence the centerline determined. The rails will cover these exploratory holes.

Center the entire length of the rail so that the maximum number of studs are used to secure the rail. Studs are usually 16" (40.64 cm) apart. Drill 11/64" (4.47 mm) diameter holes for #12 x 2-3/4" high tensile Phillips head screws in a single 16 gauge stud through the rail's centerline.

Install the screw and level the rail, then mark and drill the other holes.

Three mounting options are available (See Figures 1 to 3). Adjust the mounting height accordingly for the offset on the bracket.

### Drywall (Gypsum Board) Over Sheet Metal Studs Less Than 16 Gauge

The rail must be anchored into the stud. Locate the centerline of the stud per the above instructions. Use 1/4-20 x 3" pan head machine screws and toggle wings. Drill 11/16" (17.46 mm) diameter holes with a sharp speed bore or twist drill (requires pilot hole).

## Section 3: Installation on Mounting Platform

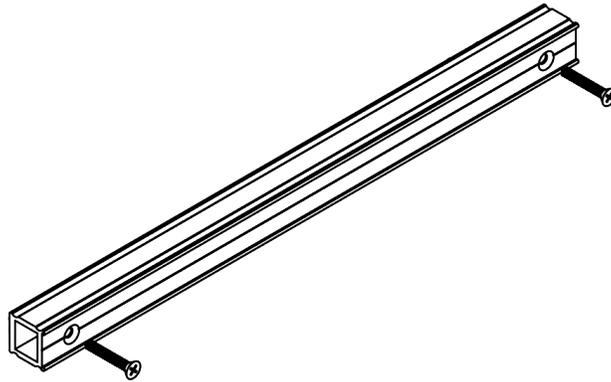


Fig.1: Install directly to wall

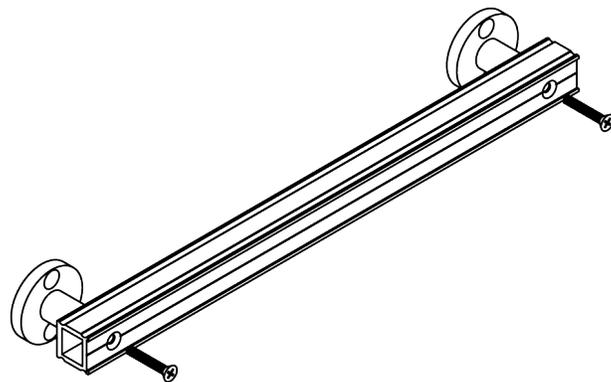


Fig. 2: Install with mounting hardware provided by others

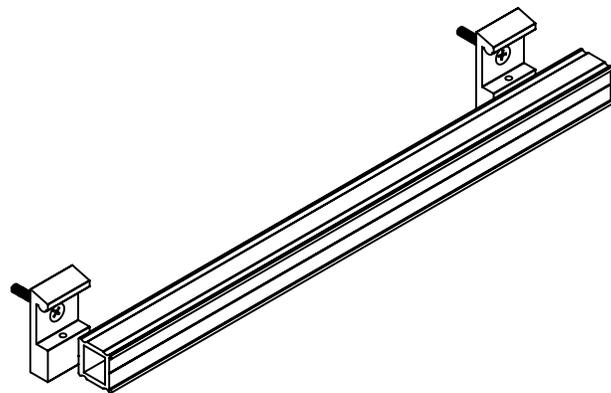


Fig.3: Install with Fairfield bracket

### Special Applications

Contact Amico Accessories Inc. to discuss solutions to wall mounting problems for any situation not covered by these guidelines.

ALTHOUGH CONSIDERABLE EFFORT HAS BEEN MADE TO ENSURE THE SAFETY OF THE ABOVE INSTALLATION AND/OR GUIDELINS, THE INSTALLATION INSELF IS BEYOND THE CONTROL OF AMICO ACCESSORIES INC. ACCORDINGLY, AMICO ACCESSORIES INC. WILL NOT BE RESPONSIBLE FOR THE FAILURE OF ANY SUCH INSTALLATION.

## Section 4: Device Installation

Refer to specific device instruction manual.

## Section 5: Maintenance, Troubleshooting and Product Classification

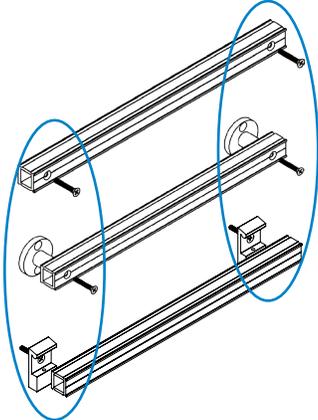
### Troubleshooting

| Symptom                    | Possible Cause                    | Solution  |
|----------------------------|-----------------------------------|---|
| The rail is loose/unstable | The mounting screws have loosened | Contact structural engineer to discuss solution |

### Preventive Maintenance

**⚠ WARNING:** All products require periodic inspection and maintenance to perform optimally and achieve maximum operation life.

**⚠ WARNING:** The intervals shown below are recommended. Maintenance schedules should be more frequent for products that see heavy use.

| Area  | Maintenance  | Period (Months) |
|---|--|-----------------|
|  | <p><b>Entire FRS/LRS rail.</b></p> <p>A) Visually inspect for any loosening of any mounting screws on any FRS/LRS.</p> <p>B) Check rail screws every six months.</p> | 6               |

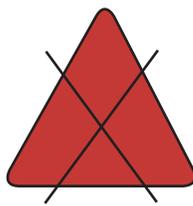
# Section 5: Maintenance, Troubleshooting and Product Classification

## Cleaning

 **WARNING:** The cleaning chemicals and methods below are not meant for controlling any infections. It shall be the responsibility of the hospital or the hospital's infection control officer to sanitize the equipment.

 **WARNING:** Please do not spray any chemical directly onto the product. Apply onto a soft cloth and wipe clean to prevent chemicals getting into the internal components of the product.

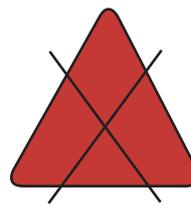
The mounting assembly may be cleaned with most mild, non-abrasive solutions commonly used in the hospital environment (e.g. diluted bleach, ammonia, or alcohol solutions). The surface finish will be permanently damaged by strong chemicals and solvents such as acetone and trichloroethylene. Steel wool or other abrasive material should never be used. Damage caused by the use of unapproved substances or processes will not be warranted. It is recommended that you test any cleaning solution on a small area of the product that is not visible to verify compatibility. Never submerge the product and do not allow liquids to enter it. Wipe any cleaning agents off the product immediately using a water-dampened cloth. Dry the product thoroughly after cleaning.



Acetone

**(Figure 1)**

No Acetone  
Acetone is a colorless,  
mobile, flammable liquid



Trichloroethylene

**(Figure 2)**

No Trichloroethylene  
Trichloroethylene is a chlorinated  
hydrocarbon commonly used as  
an industrial solvent.



## Warranty Policy

Amico Accessories Inc. warrants all mounting accessories to be free from defects in material and workmanship for a period of twelve (12) months from the date of shipment. Within this period Amico Accessories Inc. will repair or replace any part which is proven to be defective.

Amico Accessories Inc. will warrant its materials to be free from defect for an additional period of four (4) years, five (5) years from the date of shipment. Within this period, Amico Accessories Inc. will replace any part at no charge, which is proven to be defective. Shipping and Installation costs after the first twelve (12) months will be borne by the customer.

This warranty is valid only when the product has been properly installed according to Amico Accessories Inc. specifications, used in a normal manner and serviced according to factory recommendations. It does not cover products that are not manufactured by Amico Accessories Inc. It does not cover failures due to damage which occurs in shipments or failures which resulted from accidents, misuse, abuse, neglect, mishandling, alteration, misapplication or damage that may be attributable to acts of God.

Amico Accessories Inc. shall not be liable for incidental or consequential damages resulting from use of equipment.

All claims for warranty must first be approved by Amico Accessories Inc. A valid Return Goods Authorization (RGA) number must be obtained from Amico Accessories Inc. prior to commencement of any service work. Warranty work, which has not been pre-authorized by Amico Accessories Inc., will not be reimbursed.

### **AMICO ACCESSORIES INC. DOES NOT HONOR VERBAL STATEMENTS CONCERNING THE WARRANTY.**

The distributor and/or dealer are not sanctioned to create verbal warranties about the product described in this agreement. Any statements will not be honored or be made part of the agreement of sale. This document is the final complete and exclusive terms of the agreement.

### **THIS WARRANTY IS INCLUSIVE AND REPLACES ALL OTHER WARRANTIES.**

Amico Accessories Inc. shall not, under any circumstances be liable for incidental or consequential damages including, but not limited to, profit, loss of sales or injuries to person(s) or property. Correction of noncompliance as noted above will result in completion of all liabilities of Amico Accessories Inc., whether based on agreement, neglect or changed materials, designs or specifications without notice.

All claims for warranty must first be approved by Amico Accessories Inc. Service Department: accessories@amico.com or 1.877.264.2697). A valid Return Goods Authorization number must be obtained from Amico Accessories Inc. prior to commencement of any warranty claim.



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