



# **Installation Instructions**

**Radarfind Corporation <sup>TM</sup>**

## **A-Tag—Non-Status Model T10-B011**



### **Warnings:**

**It is important to follow all instructions shipped with this product.**

**Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death to you or others.**

**UNPACKING:** After unpacking the unit, examine it for damage that may have occurred in transit. If the equipment has been damaged, do not attempt to install or operate it. File a claim immediately with the carrier stating the extent of the damage, or contact RadarFind customer service for repair or replacement.

**Read and understand all instructions before installing or operating this equipment.**

**The selection of the mounting location for the device is to be accomplished under the direction of the director of Clinical Engineering and conform to all company policies, and must be in accordance with specifications in the sub-chapter for each device type.**

**CAUTION:** Risk of malfunction. Install these devices only in areas with an ambient temperature between 0° and 50°C.

**[15.19]** This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**[15.21]** Information to user: Changes or modifications not expressly approved by the RadarFind Corporation could void the user's authority to operate the equipment

**[15.105]** NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

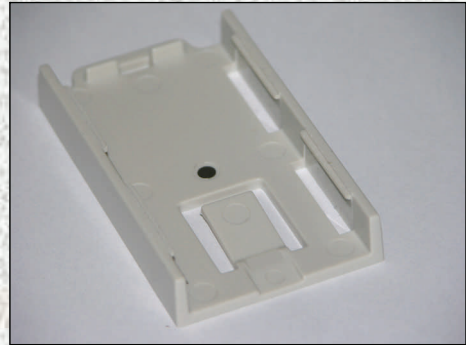
**[15.249]** This equipment operates under Section 15.249 of the Title 47 FCC Rules.



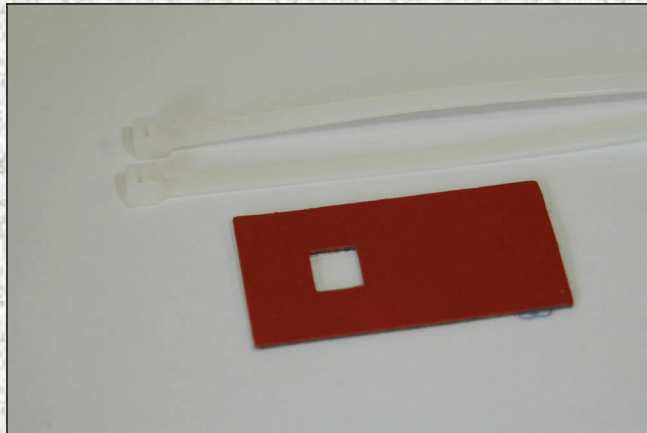
**Contents of standard package:**



(1) - T10-B011 – A-Status Tag



(1) TBA-3160 – Mounting Base



- (1) A12-1A0B – Adhesive Pad
- (2) A12-1T0B – Plastic mounting strap

## Accessories

### **A12-3T00 (2) Stainless steel mounting straps**

*(for application of Radarfind tag mounting base (Part# TBA-3160) to tubular structures)*



***Note: For best performance the steel straps require a special tool to tighten and cut the strap.***

### General Guidelines:

All tags on an asset type should be the same type, e.g. all infusion pumps should have an A-Status Type tag.

Select a standard location on each asset type for the tag. For A-Status tags select a location where the status indicator is plainly visible and can be easily accessed by the user when switching the status switch.

The tag location should not interfere with normal use of the asset, and have sufficient clearance on the open end of the base to insert the locking base key and insert and remove the tag.

For best performance do not place the tag in a location covered with metal, such as inside of a control box or enclosed area under a bed frame.

Using adhesive pad – Clean the area on the asset with alcohol to ensure a good bond. Remove white side of the adhesive covering and place on tag base, aligning the hole in the center of the adhesive over the base locking mechanism. Remove red backing and apply to asset. (Be sure to leave sufficient clearance at the open end of the base to insert and remove the tag from the base)



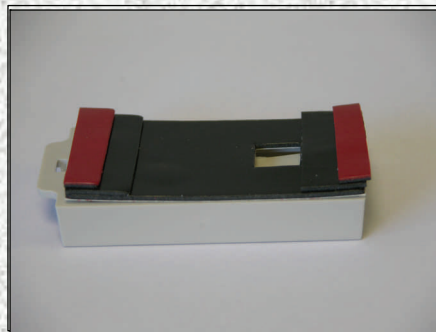
*Adhesive Orientation*



*Apply adhesive to base 1st*

### Adhesive mounting tips for curved surfaces:

If the target location is not completely flat you may need to add strips under the ends of the adhesive pad (cut the strips from a spare pad)



*Building up adhesive to conform to curves*



**Using the supplied plastic strap:**

Use the supplied plastic “Tie-Rap” to attach the tag base to permanently mounted cords or handles of assets where there is no convenient flat mounting spot.



*Use tie-rap to attach tag to oddly shaped assets*

**Mounting to tubular fixtures:**



*Use stainless steel straps to attach tag to tubes or poles.*

For best results mounting to tubular fixtures, such as IV poles or wheelchair frames, the locking base is equipped with strapping holes. These holes are designed to be used with thin stainless steel straps, available from Radarfind ( Part # A12-3T00 ) or Panduit:

[http://www.panduit.com/search/search\\_results.asp?Ne=1&recName=MLT1S%2DCP&N=5000001+336+3000858+&region=USA](http://www.panduit.com/search/search_results.asp?Ne=1&recName=MLT1S%2DCP&N=5000001+336+3000858+&region=USA)

*Note: that the best results are obtained by using the strapping gun designed for these steel straps.*

## Installation Steps – Attaching tags with adhesive:

**Step # 1 - Select location for tag and clean area for adhesive with alcohol.**

**Step # 2 - Attach adhesive to tag base with adhesive or straps.**

**Step # 3 – (Assuming that you have already entered your assets ) Select asset by entering the serial number or asset inventory number. Enter or scan tag ID into the Radarfind software, select which tag type, status or non-status, and hit <Tag!>**

The screenshot shows the 'hardware > assets' screen. At the top, there are filters for 'Asset Type' (set to ALL), 'Asset SubCategory' (set to ALL), and checkboxes for 'Tagged Only' and 'Un-Tagged Only' (checked). A search bar contains 'fmb2701'. Below the filters are buttons for 'Delete selected' and 'Add an Asset', followed by a tab labeled 'ASSETS'. A table lists assets with columns: Name, Description, Type, Inventory(CE)Id, Manufacturer, Serial, Status, Type, Tag, and Where. The first row shows an asset named 'BED' with a 'General Bed' type and 'FNB2701' inventory ID. A red 'TAG!' label with an arrow points to a 'Tag!' button in the 'Tag' column. Below the button are radio buttons for 'With Status' and 'No Status'. An 'EDIT' button is in the 'Where' column.

Name	Description	Type	Inventory(CE)Id	Manufacturer	Serial	Status	Type	Tag	Where	Actions
<input type="checkbox"/> BED		General Bed	FNB2701		1130-62A30-A			<input type="radio"/> With Status <input type="radio"/> No Status		EDIT

**Once a tag is assigned to an asset any searching or display can be done by looking for the asset.**

**If you need to remove a tag from an asset please un-assign the asset in the following screen by selecting the correct asset and clicking DETACH.**

The screenshot shows the 'hardware > assets' screen with the RadarFind logo at the top right. The 'User Interface' tab is selected. Filters for 'Asset Type' (ALL), 'Asset SubCategory' (ALL), and checkboxes for 'Tagged Only' and 'Un-Tagged Only' are present. The search bar contains '21529'. Below the filters are buttons for 'Delete selected' and 'Add an Asset', followed by a tab labeled 'ASSETS'. A table lists assets with columns: Name, Description, Type, Inventory(CE)Id, Manufacturer, Serial, Status, Type, Tag, and Where. The first row shows an asset named '4100 PCA' with a 'PCA Pump' type and '02739' inventory ID. A red 'Detach' label with an arrow points to a 'Detach' button in the 'Tag' column. Below the button is a timestamp '00:00:00:03:10:00:02:e6'. An 'EDIT | Detach' button is in the 'Where' column.

Name	Description	Type	Inventory(CE)Id	Manufacturer	Serial	Status	Type	Tag	Where	Actions
<input type="checkbox"/> 4100 PCA	INFUSION PUMP, PAT.-CTRL. ANALGESIC-16-924A	PCA Pump	02739	ABBOTT LABORATORIES DIAG DIV	21529	Available	A81	00:00:00:03:10:00:02:e6		EDIT   Detach

## **Technical Specifications:**

### **Tag (Model T10-B011)**

DC power:	Internal sealed lithium battery
Power consumption:	Average 15uA
Communications:	One 350 kHz FSK channel at 915 MHz
Transmit power:	-10dBm
Antenna:	Unity gain isotropic
Communications:	FCC Subpart 15.249
Operating:	5 to 35° C, 5% to 90% RH, non condensing
Packaging:	ABS Plastic (UL Flammability Rating V0)
Accessories:	Adhesive pad, holding base, plastic mounting straps, and steel mounting straps
Dimensions:	Optional holding base (2.6"L x 1.5"W x 0.375"D) T10-B011Tag (2.5" L x 1.25" W x 0.8" D)