# S-Tag

## Model - T42-140
## Temperature Monitoring Tag

*Installation Instructions*



**RadarFind™ Corporation**
**877-RadarFind (723-2734)**
**www.radarfind.com**

**Warnings:**

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

**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.**

**This product protected by one or more of the following U.S. Patents: 7372365, 7525432 & 7528716. Other patents pending.**

## Contents of standard package:



**(1)      T42-140 Temperature Monitoring Tag**

# Accessories

**Adhesive Pad for permanent mounting - # 90-300-303**

# General Guidelines:

**Temperature monitoring tags have a maximum range of -40C to +70c**
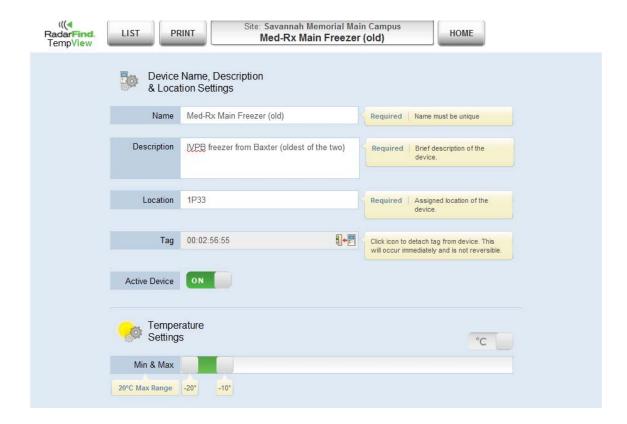


*Example Status tag placement*

**Select a standard location in each monitored unit where the tag is not obstructed by metal containers or liquids which may interfere with the tags reporting signals.**

**Placing the tag in the door shelf is a good option if available.**

**Using adhesive pads – There are adhesive pads available to attach the tags to the sides of the refrigerator if desires.**
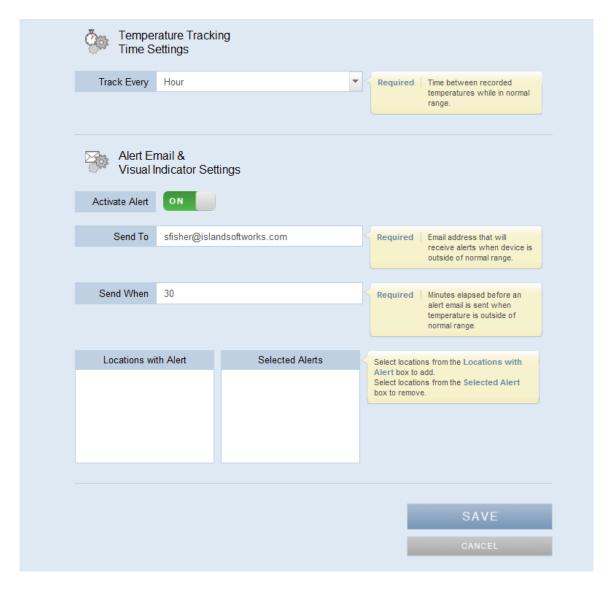
**Assigning a Temperature Tag to a device:**

**1 – NAME - Create or select the correct device.**

**2 – DESCRIPTION -Give the device a Name and Description.**

**3 – LOCATION -Select the correct LocationID for where the device is located. This will display the device in the correct place on the maps. (*Refer to a copy of the RadarFind installation maps to select the LocationID*)**



**4 –TAG -Enter the TagID of the Temperature Monitiring Tag placed in that device.**

**5 – ACTIVE DEVICE - Select whether the device is Active or not. Devices which are not Active will not appear in the default user interfaces or generate alerts. (For example mark a device as InActive when the unit is out of service )**

**6 – MIN & MAX - Set the acceptable temperature range for the device. If the device goes out of the range specified an alert may be sent. Some adjustment of this range may be required depending on the normal fluctuations of the device over time. Set the range to accept normal fluctuations, but to warn if those normal conditions are not maintained.**

**7 – TRACK EVERY** - Set the time periodicity to log the temperature tracking record. This is the periodicity at which the temperature for this device is recorded when the temperature is within the normal range. When the temperature deviates from the normal range as set the temperature will be logged every 5 minutes.



**8 – ACTIVATE ALERT**- Select whether the Alert function for this device is Active or not. Alerts which are not Active will generate alerts. (For example mark an Alert as InActive when the unit is out of service )

**9 – SEND TO** – Enter the email address(s) for persons who should receive email notifications when this Alert is triggered.

**10 – SEND WHEN** – Enter the time the device has to remain out of temperature range before sending an email Alert,.

**11 – SAVE the configuration.**

*(Location with Alert and Selected Alerts refer to a visible and audible Ethernet attached alerting device, for future use)*

**Technical Specifications:**

## Model  T42-140 -  Temperature Monitoring Tag

DC power:                        Internal sealed lithium battery
  Power consumption:          Average 15uA
Communications              902-928 MHz FSK
Transmit Power                +10dBm maximum - *nominal* TX field level is 70dBµV/m @ 1m
 Antenna:                          Unity gain isotropic
 Communications:             FCC Subpart 15.249
 Operating:                       -40 to +70º C, 5% to 90% RH, non condensing
 Packaging:                       ABS and Polycarbonate (UL Flammability Rating V0)
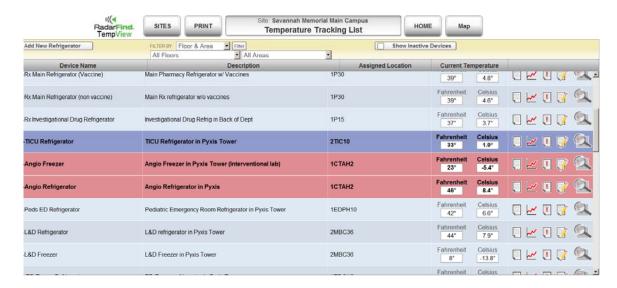 Accessories:                     Adhesive pad
 Dimensions:                     Tag  T42-140  (2.5" L x 2.25" W x 1.5" D)

RadarFind
FCC ID: URGT42140

*FCC Label*

# RadarFind Corporation ™

# Appendix A – Temperature Tag Displays



The standard TempView graph displays Device Name, Description, Assigned Location, Current Temperature, and a tool bar for each Active device.

*(To display InActive devices check the Show Inactive Devices box on the top tool bar.)*

Name and Location columns are sortable, and filters are available in the top tool bar to filter the devices by Floor or Area.

The tools available for each device are, from left to right:

1 – Text Report
2 – Temperature Graph
3 – Report Log
4 – Edit device
5 – Show location on a map.

## Apppendix B - Maintenance