

# Application Disruption Alarm

## Installation and User Guide



**RF**TECHNOLOGIES®

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**Users must read this Guide before using the Product.**

## Important Warnings

It is important for your facility to implement and enforce the following WARNINGS in order to keep all equipment functioning properly. Disregarding the information and instructions in this document is considered abnormal use and may result in injury or system failure.



### WARNING

**ACCESSORIES (SUPPLIES)**—To ensure patient safety and proper operation of equipment, use only parts and accessories manufactured or recommended by RF Technologies, Inc. Parts and accessories not manufactured or recommended by RF Technologies, Inc. may not meet the requirements of the applicable safety and performance standards.

**Failure to use the components and supplies specified by RF Technologies, Inc. may result in equipment and/or system failure.**



### WARNING

**EXPLOSION HAZARD**—This device should not be used in the presence of flammable gas mixtures. It should also not be used in oxygen enriched atmospheres.



### WARNING

**INSTALLATION AND CONFIGURATION**—It is the responsibility of the facility to follow the installation instructions carefully, as outlined in the current *Series Software Administrator Guide*, and to use the components and supplies specified by RF Technologies, Inc. for all installations.

**Failure to use the components and supplies specified by RF Technologies, Inc. may result in equipment and/or system failure.**



### WARNING

**INSTRUCTIONS FOR SET UP AND USE**—It is the responsibility of the facility to follow the instructions for set up and use carefully, as outlined in this manual, and to use the components and supplies specified by RF Technologies, Inc. for set up and use. Do not attempt to use extension cords or other equipment not supplied by RF Technologies, Inc.

**Failure to use the components and supplies specified by RF Technologies, Inc. may result in equipment and/or system failure.**



### WARNING

**PRODUCT WARRANTIES**—Failure to follow the Warnings and Cautions in this guide voids any and all Product Warranties.



### WARNING

**STATIC DISCHARGE**—Do not touch the conductor portion of any conductor or port. Damage to the device may result.



### WARNING

**SYSTEM INSPECTION**—It is the responsibility of the facility to establish and facilitate a regular inspection schedule for your system. RF Technologies, Inc. recommends monthly inspections of your system for safety and performance by a qualified RF Technologies, Inc. representative.

To arrange for a quarterly inspection by RF Technologies, Inc., call our Technical Support Department at (800)-669-9946 or (262) 790-1771.

**Failure to provide regular inspection of these products may result in equipment and/or system failure.**



### WARNING

**SYSTEM MAINTENANCE AND TESTING**—It is the responsibility of the facility to establish and facilitate a regular maintenance schedule for your system, as outlined in the current *Series Software Administrator Guide*. This includes regular inspection, testing, and cleaning. RF Technologies, Inc. recommends monthly maintenance and testing of your system. It is also recommended that your facility keep records of maintenance and test completions.

**Failure to provide regular maintenance and testing of these products may result in equipment and/or system failure.**



### CAUTION

**DISPOSAL**—At the end of their service life the products described in this manual, as well as accessories (i.e. alkaline battery, disposable pads, etc.), must be disposed of in compliance with all applicable federal, state and local guidelines regulating the disposal of products containing potential environmental contaminants. Dispose of the packaging material by observing the applicable waste control regulations.

# Chapter 1

## Installation and Operation

### Overview

The Application Disruption Alarm monitors the operational status of a Server by requiring periodic communication in order to avoid annunciating a Trouble Condition. The Application Disruption Alarm provides the peace of mind you need by ensuring that your RF Technologies' Server computer is operational.



### Installation

#### Install Driver Software

The Application Disruption Alarm is compatible with RF Technologies' software Series 7.0 or greater. It is necessary to install the driver software contained on the 0800-0387 USB Virtual COM Port Driver Software CD onto the Server computer in use at your facility. Simply perform the following steps to install the driver software:

**To install driver software**

1. Close the Client application on the Server computer.
2. Open the CD drive slot of the Server computer.
3. Insert the Software CD into the CD drive slot.
4. Close the CD drive slot of the Server computer.
5. Open the File Explorer application within the Windows operating system.
6. Locate the CD Drive within File Explorer.
7. Double-Left-Click the installation file contained on the CD Drive as shown within File Explorer to execute it; it should be named **CDM 2.04.16.exe**, or similar.
8. Depending upon the Windows Operating System settings, you may be required to click **Run** within an Open File - Security Warning dialog in order to allow the installation program to execute.
9. The USB Virtual COM Port Driver software opens a program window while the software is installed and configured on the Server computer.
10. Wait a few moments for the software program installation to complete and close its window.
11. Open the CD drive slot of the Server computer.
12. Remove the Software CD from the CD drive slot.
13. Close the CD drive of the Server computer.
14. Store the Software CD in a safe place in case of future need.
15. If you desire, you may close the File Explorer application window.
16. Continue with the next section in order to correctly install the Application Disruption Alarm hardware.

## Install Hardware

Once the required USB Virtual COM Port Driver software has been installed on the Server system computer, you are ready to install the Application Disruption Alarm hardware by simply performing the following steps.

### To install hardware

1. Locate a convenient place to rest the Application Disruption Alarm enclosure where its speaker will not be blocked.
2. Locate a convenient source of 120VAC main power and plug in the included power adapter.
3. Connect the end of the power adapter cord into the power jack in the Application Disruption Alarm enclosure.
4. Verify that the Green LED on the face of the Application Disruption Alarm enclosure is illuminated, indicating that the device is operational.
5. Connect one end of the included USB cable into the USB receptacle in the Application Disruption Alarm enclosure opposite of the power jack.

**NOTE:** So that the ADA can be placed near the Server but remain where its speakers are not blocked and can be heard (e.g. outside of a closet), it is recommended that a 10 foot USB cable is used.

6. Connect the opposite end of the USB cable into an available USB port on the system Server computer.
7. Re-start the Server computer.
8. After the RF Technologies' software has finished loading, the Application Disruption Alarm will enter into a silent monitoring state.

**NOTE:** The Application Disruption Alarm **MUST** be connected when the RF Technologies' software initially starts up. If it is not, the software will not recognize it and the Application Disruption Alarm will alarm.

## Operation

The Application Disruption Alarm acts as a silent sentinel, assuring proper operation of the system. Any problem with the software or hardware will cause the Application Disruption Alarm to break its silence and warn you of the Trouble Condition within 90 seconds.

The Green LED on the face of the Application Disruption Alarm enclosure indicates proper operation of the Application Disruption Alarm. The Red LED on the face of the Application Disruption Alarm indicates a Trouble Condition when illuminated. The speaker in the face of the Application Disruption Alarm enclosure will sound its audible alarm when a Trouble Condition is present.

It is recommended that a periodic inspection of the Application Disruption Alarm hardware be accomplished to ensure that the Green LED is illuminated, giving you the assurance of proper operation of the RF Technologies' Server computer.



## CHAPTER 2

# Troubleshooting and Specifications

### Troubleshooting

If the Green LED on the face of the Application Disruption Alarm enclosure is not illuminated, the Application Disruption Alarm is not operating properly, most likely due to a lack of power. Ensure that the Application Disruption Alarm's power adapter is plugged-in to a proper source of 120VAC main power and that the adapter's cord is connected to the power jack in the enclosure.

If a Trouble Condition is indicated by the Red LED on the face of the Application Disruption Alarm enclosure being illuminated and the speaker audibly sounding the alert, improper operation of the Server computer is indicated. Following are some possible causes and their remedy.

Possible Causes	Remedy
Lack of USB communications between the Application Disruption Alarm and the Server computer.	Ensure that the USB cable is properly plugged into the USB receptacle on the Application Disruption Alarm enclosure and connected to a USB port on the Server computer.
The system software is not operating on the Server computer.	Re-start the Server computer.
The Server computer is not properly powered.	Ensure proper power to the Server computer and power-up the computer.
The Server computer's operating system has become locked.	Re-boot the Server computer.

## **Specifications**

Size	4.5 x 3.1 x 1.8 inches
Weight	5 ounces
Power	5VDC @ 1A
Enclosure	Black ABS
Operating Temperature	0-40 degrees Celsius, 32 to 104 degrees Fahrenheit
Regulations	FCC Part 15 Compliant, UL1069 Listed