DeWALT®

DS350 Container Sensor

⚠️ **WARNING: Read and understand all instructions and warnings for this product.** *In addition, read and follow all instructions and warnings provided with the DS100 JobSite Security Portable Alarm System.*

⚠️ **CAUTION: DANGER OF EXPLOSION, INJURY, OR FIRE.** *Carefully follow all instructions and warnings on the battery label and package.*

- *Never use a damaged or worn out battery.*
- *Discharged batteries should be replaced only with type CR-123 3.0 Volt Lithium batteries.*
- *Do not use re-chargeable batteries or attempt to charge batteries.*
- *Carefully remove the old, discharged battery.*
- *Do not attempt to open.*
- *Do not peel the label from the battery.*
- *Never dispose of a battery in a fire.*
- *Dispose of used batteries in accordance with local regulations.*
- *Recycle batteries.*
- *Always insert batteries correctly with regard to polarity (+ and -) marked on the battery and the equipment.*
- *When installing the battery, do not use excessive force. If the battery does not fit, check to make sure that it matches the polarity markings.*
- *Never expose the battery terminals to any other metal object. This can short circuit the battery.*
- *Avoid exposure to temperature extremes.*
- *When not in use, store the battery in a cool, dark, dry place.*
- *Keep batteries out of reach of children.*
- *This product is designed for indoor/outdoor use.*

FCC REGULATORY STATEMENT (FCC: HCQ3B6ETVCSM)

- 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) the device must accept any interference received, including interference that may cause undesired operation.

INDUSTRY CANADA (IC: 2309A-ETVCSM)

- **NOTICE:** This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were met. It does not imply that Industry Canada approved the equipment.

Components (Fig. 1)

A. Sounder
B. Tampers
C. Reset Button
D. Sensitivity Adjustment
E. Battery
F. Captive Screw

Product Function

The DS350 Container Sensor is used for monitoring remote metal containers by measuring vibration.

Once activated, this device will work exclusively with the assigned DS100 JobSite Security Portable Alarm System.

1. The DS350 features 900 MHz spread spectrum communication with the Base Unit allowing for a range of up to 2000' (610 m).
2. The Container Sensor includes user adjustable controls which allow for sensitivity adjustments to avoid false alarms.
3. A 80db sounder is used for testing sensitivity.
4. The durable housing was designed for mounting the DS350 on the outside of containers and tough enough to withstand outdoor conditions.
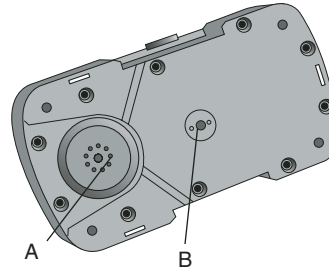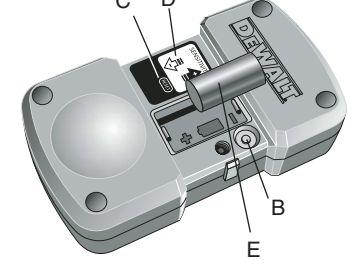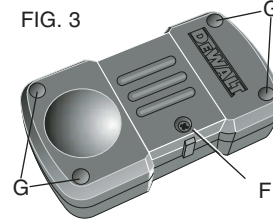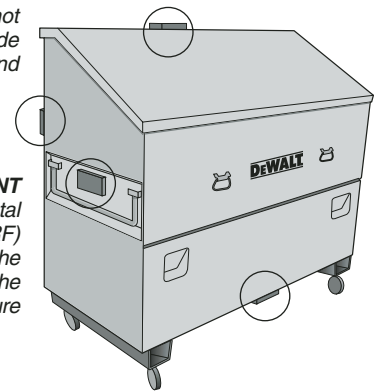

FIG. 1
FIG. 2
FIG. 3

CAUTION: POTENTIAL EQUIPMENT MALFUNCTION OR FAILURE. *Do not touch the electronic components inside the device, except the reset button and battery.*

CAUTION: POTENTIAL EQUIPMENT MALFUNCTION OR FAILURE. *Metal objects blocking radio frequency (RF) transmission can affect the range of the sensor. Place Container Sensor on the* **OUTSIDE** *of a metal container to ensure transmission of RF signal.*

SUGGESTED LOCATIONS

5. Temporary mounting capabilities with the use of magnets or permanent mounting by mounting with bolts.
6. Captive screw used to keep the front cover closed.
7. The DS350 Container Sensor uses a CR-123 3.0V Lithium battery for long life.
8. The DS350 features an inside tamper that notifies the system when the sensor cover is removed.
9. The DS350 also features an outside tamper that notifies the system when the sensor has been removed from the container to which it was affixed.
10. The reset button allows the Container Sensor to be registered to any DeWALT JobSite Security system with easy set up.

NOTE: Metal objects blocking radio frequency (RF) transmission can affect the range of the sensor.

Prevention of False Alarms

The majority of alarms that occur are false. These situations happen every day due to user error, incorrect installation or improper maintenance of the system. False alarms will limit the responsiveness to the system, and become a general inconvenience. As the number of false alarms increases, authorities have become less apt to respond to alarm systems due to this problem. Many of these situations can be avoided by following some very simple practices.

- Ensure all users are properly trained on the operation of the system.
- Always turn off the system with the Key Chain Remote Control before entering protected area.
- Lock all protected doors, windows or any other asset attached to a sensor.
- Check that motion detectors are not obstructed. Do not allow sources of heat or sound in range of the motion or vibration sensors.

- Check that premises are cleared and assets secured before setting the system.
- Turn off all noise sources – radios, compressors, generators, heavy equipment, etc.
- Know how to cancel an alarm or turn off the system before activating.
- If a false alarm is tripped notify customer service immediately.
- Test the system on a monthly basis to ensure proper functioning
- Check cellular signal, power supply, and that sensors are secured on a daily basis.

Recommended Locations

- Recommended for use on steel containers, large tool boxes, and tool storage boxes.
- Place on the *OUTSIDE* of a metal container to ensure transmission of RF signal.

Installing & Changing Battery

The DS350 Container Sensor requires a non-rechargeable CR-123 3.0 Volt Lithium battery.

TO INSTALL A BATTERY

1. Using a Phillips screwdriver, loosen the captive screw (F).
2. Flip open the latch.
3. Install the battery using the polarity (+ and -) markings on the battery and equipment. Do not use excessive force. If the battery does not fit, ensure that it matches the polarity markings.
4. Press the Reset Button (C) on the device. After resetting the sensor (see **Device Registration**), replace the cover. By opening the device, the Base Unit may display a tamper fault.

   #### TO CLEAR A FAULT
   a. Select DISPLAY.
   b. Scroll list of fault(s).
   c. Select CLEAR.
   d. Enter master code.
   e. Select OK.

TO CHANGE THE BATTERY

CAUTION: Never use a damaged or worn out battery.

1. Carefully remove the old, discharged battery. Dispose of the battery according to local regulations.
2. Install new battery using the polarity (+ and -) markings on the battery and equipment. Do not use excessive force. If the battery does not fit, ensure that it matches the polarity markings (Fig. 2).
3. Press the Reset Button (C) on the device to re-register the sensor and restore programming. After resetting the sensor, replace the cover. By opening the device, the Base Unit may display a tamper fault.

   #### TO CLEAR A FAULT
   a. Select DISPLAY.
   b. Scroll list of fault(s).
   c. Select Clear.
   d. Enter master code.
   e. Select OK.

Device Registration

To activate the device, it must first be assigned to your DS100 Base Unit. Refer to the DS100 JobSite Security Portable Alarm System Instruction Manual for more details on registering a device during the initial setup.

NOTE: The system must be disarmed prior to any programming changes.

1. Press the MAIN MENU button on the keypad of the DS100 Base Unit.
2. Using the keypad, enter the master code.
3. Use the up and down arrows to scroll through the menu until the System Settings menu is displayed. Select OK.
4. Use the up and down arrows to scroll through the menu until the Wireless Device Maintenance menu is displayed. Select OK.
5. Use the up and down arrows to scroll through the menu until the Add/Replace Device screen is displayed. Select OK.
6. The next available device number will be displayed. Up to 48 sensors can be registered to the system. If there are no slots available, the screen will display ALL DEVICES IN USE. When the device number is shown, select OK.

7. Using a Phillips screwdriver, remove the captive screw. Flip open the latch.
8. When prompted by the LCD screen to RESET DEVICE, press and release the reset button (C) located on the sensitivity keypad (Fig. 2). The screen will indicate that the device has been registered.
9. Immediately replace the cover.
10. To edit the description of the device, select EDIT.
11. To edit the description, use the keypad to type a description of up to 8 characters. The character that is being changed will be underlined. To move back a character, use the down arrow key. To move forward a character, use the up arrow key. When complete, select SAVE.

   IMPORTANT: Write the device description and corresponding device number on the **Sensor Location List** included with the DS100 JobSite Security Portable Alarm System. Keep this sheet for reference. This information will be needed during the monitoring service enrollment process. As device changes are made, be sure to contact DEWALT customer service to make adjustments to the monitoring service.
12. After registration, test the sensor. If programming through the initial setup, the test function will be included in the setup sequence. If adding the Container Sensor after the alarm system has been programmed, use the TEST button on the keypad.

Adjusting Sensitivity

The sounder will indicate with a ticking noise as the sensitivity is being increased (less vibration) or decreased (more vibration). When the maximum and minimum are reached, the sensor will beep. Pressing the reset button will send the sensitivity to the default (medium).

Walk Test

To activate the Container Sensor walk test, create vibration on the container. Adjust the sensitivity as appropriate for the type of container being secured. The Base Unit will indicate that the test was successful when the device is removed from the list on the LCD screen.

Mounting

The DS350 can be mounted permanently using four #8 screws, four bolts or temporarily with the magnets on the back of the container sensor.

IMPORTANT: Because the Container Sensor uses radio frequency (RF) which can be blocked by metal objects, do not place the DS350 Container Sensor *INSIDE* the container or storage box.

Align the sensor on the container or storage box in any of the following locations:

- Underneath the container
- On top of the container
- On the side or back of the container

USING MAGNETS

There are three magnets on the back of the container sensor. These magnets are used to temporarily attach the sensor on a container or storage box. If it is removed by an intruder while the system is disarmed, the tamper switch will send a signal to the Base Unit. In the event that the system is armed, an alarm will occur which in turn will notify the user.

USING BOLTS

In order to permanently attach the sensor on a container or storage box, use four #8 screws or four bolts as appropriate for the material to which it is affixed.

1. Use the magnets to hold the DS350 in the desired location.
2. Pre-drill the four locations (G) as marked in Figure 3.
3. Place bolts through each hole.
4. Lock bolts with the appropriate nut. (washer if desired)

Tamper – Faults

Faults indicate when there has been a serious issue that needs to be addressed. This could be a number of things including an unsecured device, low battery, tamper or weak signal.

If a fault is present, the system will chime and the Fault screen will be displayed. To silence the chime, select SILENCE. To display the fault and resolve immediately, select DISPLAY. Use the up and down

arrows to scroll through the faults. Resolve the issue with the action listed in **Description of Fault Codes** chart.

DESCRIPTION OF FAULT CODES

Fault Code	Fault Display	Description	Action
DevPower	Primary Power Lost Device #	No battery power in device	Change battery, reset
DevLowBatt	Low Battery Device #	Device battery low	Change battery, reset
WeakSig	Weak Signal Device #	Transmission signal from device is weak	Check for interference; move device
Unsecured	Unsecured Device #	Device has been tripped	Check for intrusion; re-secure device
NoCheckIn	No Check In Device #	Device check-in messages have not been received	Check for interference; move device
Tamper	Tamper	Device has been opened or damaged	Close device or replace if damaged

TO REMOVE A TAMPER FAULT
1. Select CLEAR.
2. Use the keypad to enter the master code.
3. Select OK.

Full One Year Warranty

The DᴇWALT JobSite Security Portable Alarm System is warranted for one year from date of purchase. We will repair, without charge, any defects due to faulty materials or workmanship. For warranty repair information, visit www.dewalt.com or call 1-800-4-DᴇWALT (1-800-433-9258). This warranty does not apply to accessories or damage caused where repairs have been made or attempted by others. This warranty gives you specific legal rights and you may have other rights which vary in certain states or provinces.