



DETECTOR DEVICE INFORMATION AND USE DIRECTIONS

The Detector device was designed to locate and identify stations for the Sentricon® System with Always Active™ technology LID top caps or ESP® technology Transensors. When using Sentricon with ESP technology, the Detector will also determine the station status.

Detector Features

- LCD display — identifies station, and indicates station status (with ESP technology only)
- Proximity sensor — easier to locate stations
- Replaceable, rechargeable Nickel Metal Hydride batteries—commercially available and easy to replace
- Auto shut off — saves battery life
- Adjustable pole length with ergonomic design — enhanced technician comfort
- No exposed wires — easier to use around landscaping and reduced risk for damage and repairs
- Light weight — enhanced technician comfort



When You Get the Detector

1. Remove top panel electronics box and insert 8 nickel metal hydride batteries.
2. Use the included charger found in the box to fully charge the batteries.
3. Review instructions for each feature of the auxiliary options.
4. Watch the “How-to-Use” video on the “product resources” section of the CSS Resource Center (www.cssresourcecenter.com).
5. Test the device in the office to make sure it works properly before going to a job site.

On & Off

To turn the device on, lightly tap the green power button (see photo). To turn the device off, tap the green power button a second time. The device will automatically turn off after 2 ½ minutes of inactivity. (This time can be adjusted.)

Audible Notifications

- Device power on and device power off — brief audible tone
- Station proximity — audible tone increases in frequency as the device gets closer to the station
- Maintenance alert — pulsating audible tone (with ESP technology only)

Light Colors

- Green light — power is on
- Red light — station proximity
- Orange light — batteries are charging
- Yellow light — batteries are no longer capable of accepting a charge; replace the batteries

Pole Adjustments

The length of the pole can be adjusted by loosening the adjustment knob and shortening or lengthening the telescopic pole.

Protective Case

Will be included with the unit to help absorb impact from normal use and prevent scuffing.

Battery

The device is designed to read 800 (about 35 average size homes) Always Active LID top caps or ESP Transensors before a recharge is needed. It is recommended to recharge the device as necessary. The LCD panel does not show battery life percent, but the charge indicator light will turn off. The 8 commercially available AA rechargeable Nickel Metal Hydride batteries can be easily replaced as needed (see photo).

Moisture

The Detector is built to be water resistant, but it is not water proof. Care should be taken when used in wet conditions.

Bluetooth

This unit is enabled with Bluetooth 2.0 + EDR. This technology can be used with classic mobile platforms such as handheld devices and some mobile 2.0 devices. It is important to determine if the Detector is compatible with your software equipment devices.

Repairs

For any repairs or maintenance issues, please call 1-800-888-5511 option 1.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

DETECTOR DEVICE FEATURES – DEFINITIONS

Battery Housing: To install the batteries, first remove the battery door located at the back end of the reader by removing four screws. Insert the 1.2V rechargeable batteries into each slot making sure that each battery polarity is in the right orientation by observing that the spring coils in the battery slots are for the negative side of the batteries (flat end of battery) , then replace the battery compartment door by inserting it back, and securing with the four screws removed initially.

Power Button: Turn on by pressing for one (1) second located on the bottom left side of the reader. A green light will illuminate. The LCD display will show the message: Portable Reader Model M350. Thereafter, it will change to display a number with a % value and then the letter M: also with a % value. The first number with a % value, is the indication of the noise level of the Detector for reading the tags. For the % value with the letter M indicates the amount of memory space left for recording the tag numbers.

Light Indicators: Immediately after the AC Power is connected, the Charge light will illuminate. When the battery is fully charged the Charge light will turn off. If the batteries no longer can accept charge, meaning that the batteries have little capacity, the Replace light will illuminate, now is the time to replace with new rechargeable batteries

AUX Features: Programmable features include

Volume: The volume function will allow changing the volume of the audible from OFF state to seven steps upward volume level. To change the volume, press momentary the AUX button and the display will indicate the volume level set in the reader. To continue changing, keep toggling the AUX switch until the desired level, then stop.

Back Light: This function allows turning off the back light of the LCD display in order to minimize power consumption. To turn off the LCD back light press momentary the AUX button. The LCD display will display the volume level, then press and hold the AUX button until the back light function appears, release the button, then press and hold again the AUX button to select the function, toggle for the desired function then press and hold again to set that function until the display will indicates “value changed”

Signal Level: Shut Down time of this function allows to change the automatic shut off time of the reader after initialization or after a tag is momentary read. The reader has four steps: Off, 60 sec., 150 sec., and 5 min. The best setting for maximum power saving of the batteries is 60 sec. The Reader automatic default setting shut off time is 150 sec. To change the automatic default time, press momentary the AUX button, then the LCD display will show the volume level, then press and hold the AUX button until the back light function appears, toggle the AUX button until the shut off function appears (or desired function), to select this function press and hold again the button until the shut off values appears (or desired function), toggle for the desired value then press and hold again until the display indicates “Value changed”

Send tags: This function is only used when the reader is paired with an external storage device via the Bluetooth function. When the reader is paired with the external device this function allows that the reader may send its memory stored data via the Bluetooth connection

Erase tags: This function allows the reader to erase its memory stored data. Follow Instructions as given above in the Shut Down function. At the end of this set up function, please wait until the reader finishes erasing the files

BT Pairing: This function allows the reader to set up the pairing with an external storage device compatible with Bluetooth 2.0 EDR. Please work with your Dow AgroSciences sales representative to determine your hardware/vendor software needs. Additional instructions are needed for Bluetooth set up.

Unique Mode: In this mode the Detector will remain for 150 seconds (programmable values) and if no tag was read the Detector will shut off automatically followed by a beep. But if a tag was read or detected, the shut off time is reset and the time count will start at zero value and shut off automatically at the preset value 150 sec.

DETECTOR DEVICE FEATURES – DIAGRAM

