WatchDog®

Visual Frost Alert

Item # 3435

Spectrum®
Technologies, Inc.

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COMPONENTS

Visual Frost Alert light with 3 foot sensor wire
Plastic Bag containing: L bracket, 2 screws, 2 nuts

Batteries - 3 AAA Lithium (Not Included)
Phillips Screwdriver - (Not Included)

NOTE: Lithium batteries are recommended for use in the Visual Frost Alert to ensure adequate battery life. Using Alkaline batteries will significantly reduce battery life.

Thank you for purchasing a WatchDog Visual Frost Alert. This unit should help you prevent your crops from frost damage if corrective action is taken in time.

This manual will familiarize you with the features and operation of your new FieldScout Visual Frost Alert. Please read this manual thoroughly before using your instrument. For customer support, or to place an order, call Spectrum Technologies, Inc. at 800-248-8873 or 815-436-4440 between 7:30 am and 5:30 p.m. CST,
FAX at 815-436-4460, or E-Mail at info@specmeters.com.
www.specmeters.com

Spectrum Technologies, Inc
12360 S Industrial Dr . East
Plainfield, IL 60585

INSTRUCTIONS

Make sure you have a least one unit per microclimate in your fields.

Unscrew bottom of unit, flip open the electronics board and place batteries in battery holder as shown in the picture.

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Attaching bracket

Mount unit so that it will be visible from your monitoring location. The Visual Frost Alert is visible up to 2 miles. The temperature sensor should be placed in the microclimate you wish to monitor. Mounting hardware is included to facilitate mounting to a pole on vertical surface.

Follow the steps below to attach the bracket to the Visual Frost Alert.

Thread the two 6-32 Flat Head screws in as shown. Leaving approximately 1/8" of thread showing.

Mount the bracket, with the screw heads sliding into the small end of the slot. Turn the screws until they are hand tight.

Remove the bracket and thread the nuts onto the screws. Tighten the screws ¼-1/2 turn and lock in place with the nuts.

Remount the bracket onto the light, sliding the screws under the slot as before. If the bracket is loose, remove and tighten the screws another ¼ turn.

Using the unit

To turn the Visual Frost Alert on, press the black button. It will flash three times to indicate it is working. To turn the Alert off, press the black button. The light will stay on for 3 seconds and then turn off.

The temperature range measured by the sensor is indicated with varied flashing of the Led Lights. See the Display legend below:

Temperature	Interval	Flash
Above 37°F (3°C)	30 Seconds	1
34 to 37°F (1 to 3°C)	30 Seconds	2
32 to 34°F (0 to 1°C)	15 Seconds	3
30 to 32°F (-1 to 0°C)	5 Seconds	4
Below 30°F (< -1°C)	1 Second	1

Testing the Unit:

Place the sensor in a thermos of crushed ice and water (slurry). Stir continuously. The LED should flash 3 times at 15 second intervals after a short period. Remove the probe from the ice slurry, the LED should flash once every 30 seconds. TEST THE UNIT REGULARLY!

Warranty

This product is warranted to be free from defects in material or workmanship for one year from the date of purchase. During the warranty period Spectrum will, at its option, either repair or replace products that prove to be defective. This warranty does not cover damage due to improper installation or use, lightning, negligence, accident, or unauthorized modifications, or to incidental or consequential damages beyond the Spectrum product. Before returning a failed unit, you must obtain a Returned Materials Authorization (RMA) from Spectrum. Spectrum is not responsible for any package that is returned without a valid RMA number or for the loss of the package by any shipping company.

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