FREEZE-CLIK® FREEZE SENSOR
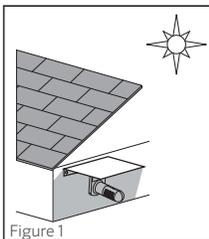# INSTALLATION INSTRUCTIONS

Hunter®

INTRODUCTION

Note: Both the standard Freeze-Clik and the Freeze-Clik-Rev (a reverse model where instead of switching system operation off at a set temperature point, the system is switched on) are installed and wired in the same manner.

Figure 1

The correct placement of the Freeze-Clik is critical for accurate temperature sensing. It must be mounted out of direct sunlight, and where free outdoor air circulation is possible. Examples would be the north wall of a building or under eaves or overhangs.

If the best location for temperature sensing is not a feasible location for mounting the Freeze-Clik, an alternate location may be chosen if, in addition, a "sun guard" is used (a piece of flashing, for example) to shade the Freeze-Clik during times of day when the sun could hit it (see Figure 1).

The Freeze-Clik housing is designed so that it provides the sensing element some amount of shaded protection from direct or indirect radiation, while allowing air to move freely around it. This feature, along with the best possible placement, will allow the Freeze-Clik freeze sensor to respond at the correct temperature.

Using the screw provided, attach the Freeze-Clik to the chosen surface. Run the extension wire to the controller. If an extension to the wire is needed, use wire no lighter than 18 AWG.
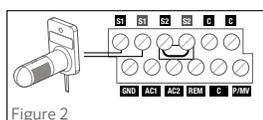
WIRING

Wiring to the Hunter X-Core® and Pro-C® Controller
The Freeze-Clik connects directly to the X-Core, Pro-C, PC-300 or PC-400. This allows you to easily override the sensor by using the sensor switch on the front panel.

1. Remove the jumper from the two "SEN" terminals.

2. Route the wires from the sensor up through the same conduit opening used for valve wiring.

3. Connect one wire to the terminal labeled "SEN" and the other wire to the other "SEN" terminal.

Wiring to the Hunter I-Core® Controller

1. Remove the jumper from the two "SEN" terminals.

2. Route the wires from the sensor up through the same conduit opening used for valve wiring.

Figure 2

3. Connect one wire to the terminal labeled "SEN" and the other wire to the other "SEN" terminal (see Figure 2).

Wiring to the Hunter HC/Pro-HC Controller
1. Connect one sensor wire to COMMON on the controller.
2. Connect the other sensor wire to SEN-1 or SEN-2 on the controller.
3. Once you've wired your sensor, you must configure it in your Hydrawise™ account.

Other Controllers
The Freeze-Clik freeze sensor is wired to the valve common (as shown in Figure 3). Locate the common ground wire of the solenoid valves. If it is connected to the common terminal on the controller, disconnect it. Attach one lead of the Freeze-Clik to the common terminal on the controller and the other lead to the common ground wire from the solenoid valves.
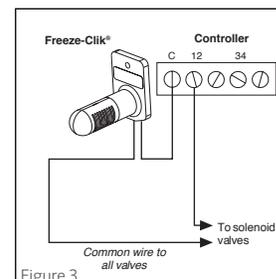

Figure 3

If a Mini-Clik® rain sensor is already installed or is to be part of the installation (see Figure 4), the freeze sensor is to be wired in series with the rain sensor so that either (or both) devices can control the circuit.
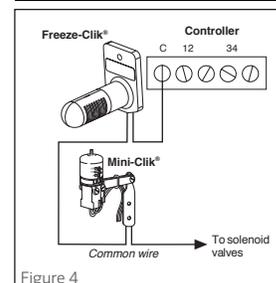

Figure 4

OPERATION

The Freeze-Clik is preset and is not adjustable. It will open the common ground circuit, thereby keeping the sprinkler system from operating at, or below, 3°C (37°F). At temperatures above the setpoint of 7°C (44°F), normal operation will resume.

For Freeze-Clik-Rev Model
The temperature setting works in reverse on this model, with the circuit not allowing operation of the sprinkler system above 3°C (37°F). Once the temperature reaches this point or goes below, it will activate the system and commence watering for whatever amount of time you have set on your controller.

Note: The factory tolerance for the setpoint on both the standard Freeze-Clik and the Freeze-Clik-Rev models is ± 2°C. Therefore, your particular unit will switch at a temperature in this range.

Special usage note: For landscape applications only. Not for crop protection. A freeze sensor should only be used as a part of sound irrigation management program, including regular visual system checks.

Need help? Visit hunter.direct/freezeclikhelp.