




## HOZELOCK 2212 Sensor Controller User Manual

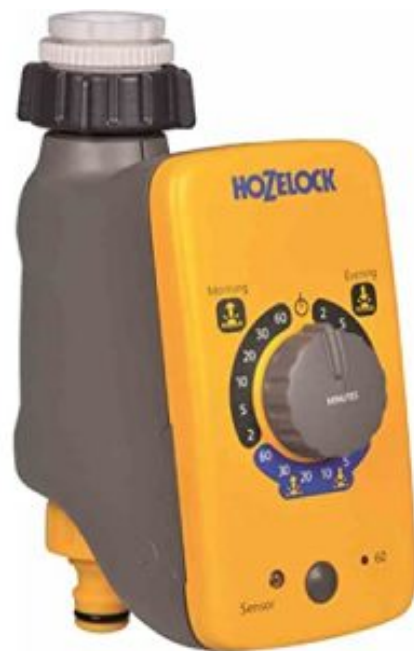
[Home](#) » [HOZELOCK](#) » HOZELOCK 2212 Sensor Controller User Manual 

# HOZELOCK

### Contents

- [1 HOZELOCK 2212 Sensor Controller User Manual](#)
- [2 General information](#)
- [3 Troubleshooting](#)
- [4 Contact details](#)
- [5 Declaration of Conformity to CE](#)
- [6 Documents / Resources](#)
  - [6.1 References](#)
- [7 Related Posts](#)

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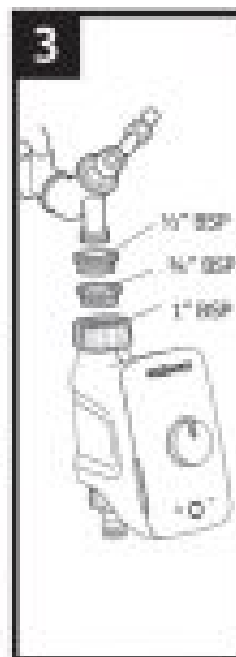
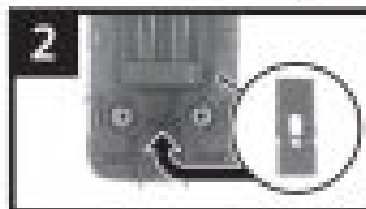
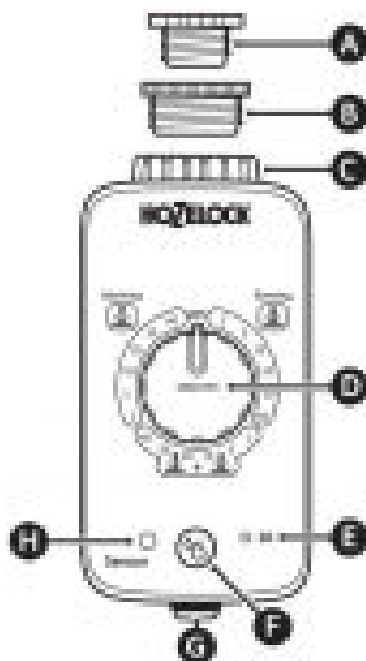


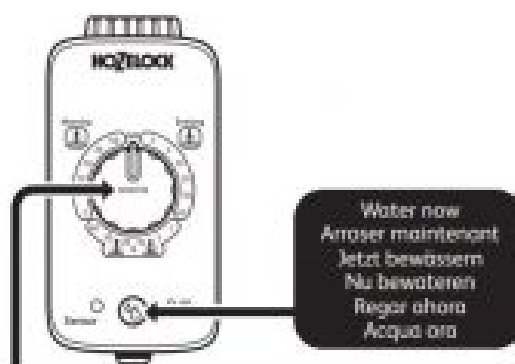




Hozelock Ltd.  
 Midpoint Park, Birmingham,  
 B79 1AB, England  
 Tel: +44 (0) 121 313 1122  
**www.hozelock.com**  
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## Sensor Controller






**5**      Watering duration • Durée d'arrosage  
 Bewässerungsdauer • Duur bewatering  
 Duración de riego • Durata dell'annaffiatura

| Morning • Matin<br>Morgens • Ochtend<br>Mañana • Mattino | Evening • Soir<br>Abends • Avond<br>Noche • Sera | Morning + Evening • Matin + Soir<br>Morgens + Abends • Ochtend + Avond<br>Mañana + Noche • Mattino + Sera |
|--|--|---|
| <br>5<br>Mins  | <br>10<br>Mins                                   | <br>20 + 20<br>Mins    Mins   |

**6**      Watering schedule • Programme d'arrosage  
 Bewässerungsplan • Bewateringsschema  
 Programa de riego  
 Programmazione dell'annaffiatura

|                      | DAY • JOUR • TAG • DAG • DIA • GIORNO |   |   |   |   |   |   |
|----------------------|---------------------------------------|---|---|---|---|---|---|
|                      | 1                                     | 2 | 3 | 4 | 5 | 6 | 7 |
| Waters every day     |                                       |   |   |   |   |   |   |
| Arrosage quotidien   |                                       |   |   |   |   |   |   |
| Tägliche Bewässerung | 💧                                     | 💧 | 💧 | 💧 | 💧 | 💧 | 💧 |
| Bewatert elke dag    |                                       |   |   |   |   |   |   |
| Riega todos los días |                                       |   |   |   |   |   |   |
| Annaffia ogni giorno |                                       |   |   |   |   |   |   |

- A** 21mm G½ (½" BSP) Adaptor
- B** 26.5mm G¾ (¾" BSP) Adaptor
- C** 33.3mm G1 (1" BSP) Adaptor
- D** Duration dial
- E** LED indicator lights
- F** Water Now button  - On/Off/Override
- G** Hose pipe connector
- H** Light Sensor

## Installation & operating instructions

READ THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO USE THIS PRODUCT.

FAILURE TO OBSERVE THE FOLLOWING NOTICES MAY RESULT IN INJURY OR PRODUCT DAMAGE

## General information



**THESE INSTRUCTIONS ARE ALSO AVAILABLE ON THE HOZELOCK WEBSITE.**



This product meets the requirements of IP44 and therefore can be used in exposed weather conditions.



This product is not suitable for supplying drinking water.



Threaded water connections are suitable for hand tightening only.



This product can be fitted to mains water supply.



This product can be fitted to outdoor water butts or tanks that have an inline filter fitted before the controller.

## Installing the batteries

You must use Alkaline batteries – alternatives will result in incorrect operation.

1. Remove the front panel as shown (Fig. 1), gripping the recessed part and pulling towards you.
2. Insert 2 x 1.5v AA (LR6) batteries (Fig. 1) and replace the controller front panel.  
**IMPORTANT:** Rechargeable batteries must not be used.
3. Replace batteries each season. (max 8 months use, used twice a day)
4. When batteries are installed the motor will operate the internal valve to check that it is ready for use and the batteries installed have enough charge to safely operate the valve
5. If the LED indicator flashes red, the batteries need to be replaced.

## Connecting the Sensor Controller to the tap

1. Choose the correct tap adapter (Fig. 3)
2. Using the correct adapter(s), attach the controller to the tap and tighten firmly to avoid leaks. Do not use a spanner or other tool to tighten as this might damage the threads. (Fig. 4)
3. Turn on the Tap.


## How to set up the Sensor Controller – automatic watering

Sunrise and Sunset is the best time to water your garden to avoid evaporation and leaf scorch. The Daylight sensor automatically adjusts the watering schedule to coincide with the changing time for sunrise and sunset.


Cloudy or overcast mornings and evenings might cause a slight delay to the watering times, but these are not significant to have any adverse effects on your garden.

1. Rotate the control dial to select from the 3 marked sections – Sunrise (once a day), Sunset (once a day) or Sunrise and Sunset (twice a day). (See Fig. 5)
2. Choose from the required watering durations – 2, 5, 10, 20, 30 or 60 minutes of watering.

## How to turn off the Sensor Controller

If you do not want the controller to automatically come on turn the rotary dial to the “OFF” position. You can still use the  button to manually water your garden.

## Initial synchronisation period

When you install new batteries there is a 6 hour lockout period to prevent the controller from watering while you are setting up your system. After a 24 hour cycle of Sunrise and Sunset the controller will be synchronised with the changing light levels. You can manually water your garden using the  button during the 6 hour lockout period.

## Positioning your Sensor Controller outdoors

It is important that your water controller is in an outdoor location. Do not point the control panel directly towards outdoor security lights or other bright lights that come on during the night as these might interfere with the recorded light levels and cause the controller to come on at the wrong time.

Ideally, you should not set up your controller in a heavily shaded passageway or behind buildings where light levels remain low all day long. Do not position the controller inside buildings such as garages or sheds where it will not receive natural daylight to function correctly.

The controller is designed to be positioned directly underneath an outdoor tap. Do not position the controller on its side or lying on the ground whereby rainwater cannot flow away from the product.

## 1 hour delay

(when using 2 Sensor Controllers together)

If you install two Sensor Controllers you might want to stagger the start times to prevent pressure loss when two appliances are used simultaneously – for example sprinklers.

Remove the delay plug from the storage location on the back of the control panel (Fig. 2) and fit the plug on the location below the batteries.


With the plug inserted the one hour delay affects all automatic watering. The delay period of one hour cannot be changed.

### Manual operation (water now)


You can turn on the water controller at any time by pressing the  button once. Press again to turn off at any time.

**Note:** To protect battery life the water controller can only be turned on and off a maximum of 3 times in one minute.

### How do I cancel an automatic watering operation

The  button can also be used as a manual override to cancel any current automatic watering operation that has started. The schedule will then resume.

### Battery level check

Press and hold down the Water Now  button to check the status of the batteries at any time.

GREEN = BATTERY IS GOOD

RED = BATTERY LEVEL IS LOW, REPLACE THE BATTERIES SOON.

### Failure prevention mode

A built in safety feature detects when the battery levels have dropped to a level that could fail whilst the valve is open and result in wasting water. The safety mode prevents the controller from turning on until the batteries have been replaced. The LED indicator light will flash red when the failure prevention mode has been activated. The Water Now function will also not operate until the batteries have been replaced.



This product is not designed to be used in sub-zero (frost) temperatures. During winter months drain any remaining water out of your timer and bring it indoors until the next watering season.

### Troubleshooting

| Problem   | Possible cause                    | Solution   |
|---|-----------------------------------|--|
| Valve opens but no water comes out                        | Garden tap is off                 | Turn on tap  |
|   | Hose pipe twisted or blocked      | Untwist/unblock hose hose                              |
| Button pressed but valve doesn't open                     | Wrong or flat batteries           | Check battery type and/or replace with fresh batteries |
| Button pressed<br>Light came on but valve did not open    | 1 minute lock out has operated    | Wait three minutes and try again                       |
| Controller set up correctly but did not come on at sunset | Controller waiting to synchronise | Wait 24hrs and observe again                           |
| Controller activated when outside lights come on          | Outside lights too bright         | Move or rotate controller away from light sources      |

| Technical Data         |              |
|------------------------|--------------|
| Operating Pressure     | 0.1 – 10 Bar |
| Operating Temperature  | 0 - 55°C     |
| Max. Water Temperature | 25°C         |

| Technical Data       |  |
|----------------------|--|
| Battery Type         | 2x 1.5V AA (LR6)<br>Alkaline Batteries |
| Average Battery Life | 8 months used twice a day              |
| Watering Cycles      | Max. 2x watering cycles per day        |
| Watering Durations   | 2, 5, 10, 20, 30 or 60 minutes         |
| Purpose of Control   | Electrically operated water valve      |
| Mounting Method      | Surface mounting                       |
| Action Type          | Type 1                                 |
| Pollution Degree     | 4                                      |

## Contact details

If you have any further problems with your water timer please contact Hozelock customer services.

### Hozelock Limited

Midpoint Park, Birmingham. B76 1AB.

Tel: +44 (0)121 313 1122

Internet: [www.hozelock.com](http://www.hozelock.com)

Email: [consumer.service@hozelock.com](mailto:consumer.service@hozelock.com)

## Declaration of Conformity to CE

Hozelock Ltd declare that the following Electrically Operated Water Valves:

- **Sensor Controller (2212)**

### Comply with:

- the Essential Health and Safety Requirements of the Machinery Directive 2006/42/EC and its amending directives.
- EMC Directive – 2014/30/EU
- RoHS Directive 2011/65/EU

and conforms to the following harmonised standards:

- EN61000-6-1:2007



- EN61000-6-3:2011

Date of Issue: 09/11/2015

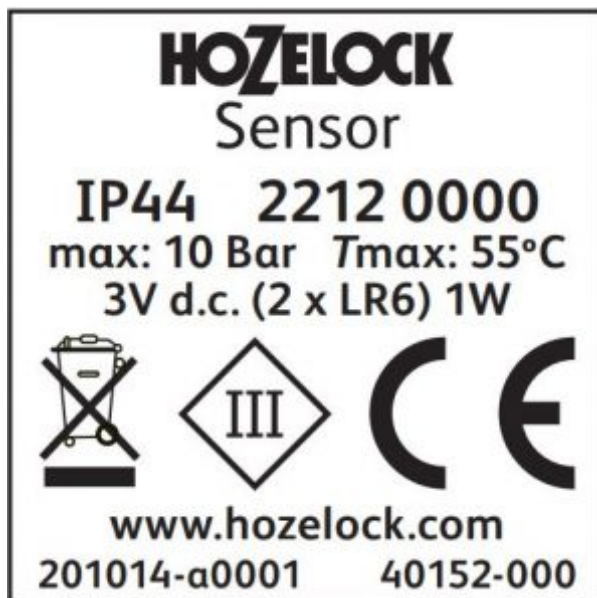
Signed by:.....



**Nick Iacofano**

Technical Director, Hozelock Ltd.

Midpoint Park, Sutton Coldfield, B76 1AB. England.



**WEEE**



Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact you local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and wellbeing. In the EU, when replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposals at least free of charge.

**Read More About This Manual & Download PDF:**

**Documents / Resources**



[HOZELOCK 2212 Sensor Controller](#) [pdf] User Manual  
Sensor Controller, 2212

## References

- [Hozelock - Gardening, Watering, Pond Solutions | Hozelock Ltd](#)

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