

Operating Manual

Rain Sensor Mini-Clik II

PERROT



1. Mounting

Using the screws provided, mount the Mini-Clik on any surface where it will be exposed to unobstructed rainfall. The switch-housing portion must be upright (as pictured), to ensure a proper function.

The swivelling bracket can be mounted with the delivered screws on any surface. Before bringing the unit in an upright position, loosen the locknuts and re-tighten them. When looking for a suitable location make sure the unit is not mounted in the path of any sprinkler spray.

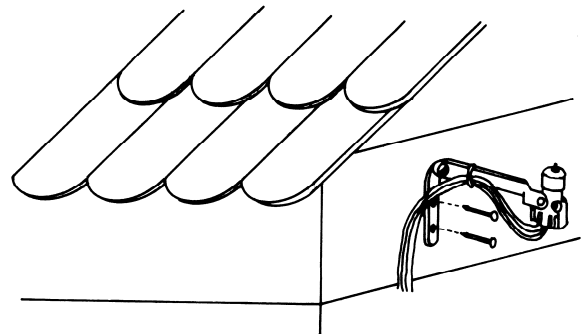


Figure 1

2. Connecting diagram

- 2.1 If an extension of the connecting wires is necessary, make sure the wire cross section is not smaller than 1qmm.
- 2.2 Depending on the version, the Mini-Clik can operate with a normally closed or open contact. Both wiring facilities are given at the controllers Water Control, Greenkeeper and Perrot Satellite.
 - 2.2.1 Connection of Mini-Clik at Perrot Controllers with (preferably) normally closed contact
Use the following terminal connections:
 - a.) Water Control
 - ✘ Attach first wire at the first terminal of the controller designated as "sensor".
 - ✘ Attach second wire at the second terminal of the controller designated as "sensor".
 - b.) Perrot Satellite and Greenkeeper:
 - ✘ Attach first wire at terminal no. 13 of the controller
 - ✘ Attach second wire at terminal no. 14 of the controller

2.2.2 Connection of Mini-Clik at the Perrot Controllers with a normally open contact

- a.) Water Control:
 - ✘ Attach first wire at first terminal designated as “sensor”
 - ✘ Attach second wire at second terminal designated as “sensor”
- b.) Perrot Satellite and Greenkeeper:
 - ✘ Attach first wire at terminal no. 11 of the controller
 - ✘ Attach second wire at terminal 12 of the controller



Note: *When installing the Greenkeeper and Perrot Satellite Controllers, the rain sensor has to be entered to the installation data of the computer programme (see operating manual Greenkeeper / Perrot Satellite).*

2.2.3 Connection of the Mini-Clik to other controllers:

Prior to the connection please check whether the Mini-Clik should be installed to a normally open or closed terminal

2.3 We are at your full disposal if any other modes of connection or application are requested.

3. Adjustments and Operation

3.1 If the rainfall quantities, preset at the Mini-Clik, exceed the entered value, the irrigation cycle is stopped, respectively; the next scheduled irrigation cycle is not started.

Following quantities can be adjusted:

- Set value $\frac{1}{8}$ = Precipitation quantity 3 mm
- Set value $\frac{1}{4}$ = Precipitation quantity 6 mm
- Set value $\frac{1}{2}$ = Precipitation quantity 13 mm
- Set value $\frac{3}{4}$ = Precipitation quantity 19 mm
- Set value 1 = Precipitation quantity 25 mm

3.2 To adjust it to the desired shut-off quantity, twist the cap on the housing so that the pins are located in the proper slots (see figure no. 2). Do not forcibly twist the cap as this might break the pins.

3.3 If the Mini-Clik is exposed to rain fall, the hygroscopic discs will swell up and thus activate the contact to stop or respectively prevent from decontrolling the next scheduled irrigation cycle. The Mini-Clik will reactivate the next programmed irrigation cycle after the discs have dried up by weather conditions (wind, sunlight, humidity, etc.). By turning the vent ring, the ventilation performance can be changed. This will influence the drying speed: biggest ventilation performance – maximum drying speed and vice versa (see figure no.2.)

Thus, the Mini-Clik offers the possibility to adjust the drying speed of the hygroscopic discs to the soil conditions at site. Experience will best determine the ideal ventilation setting.

Reference values: for sandy permeable to water soils – adjust bigger ventilation performance. If the Mini-Clik is installed at an overly sunny place – adjust a smaller ventilation performance.

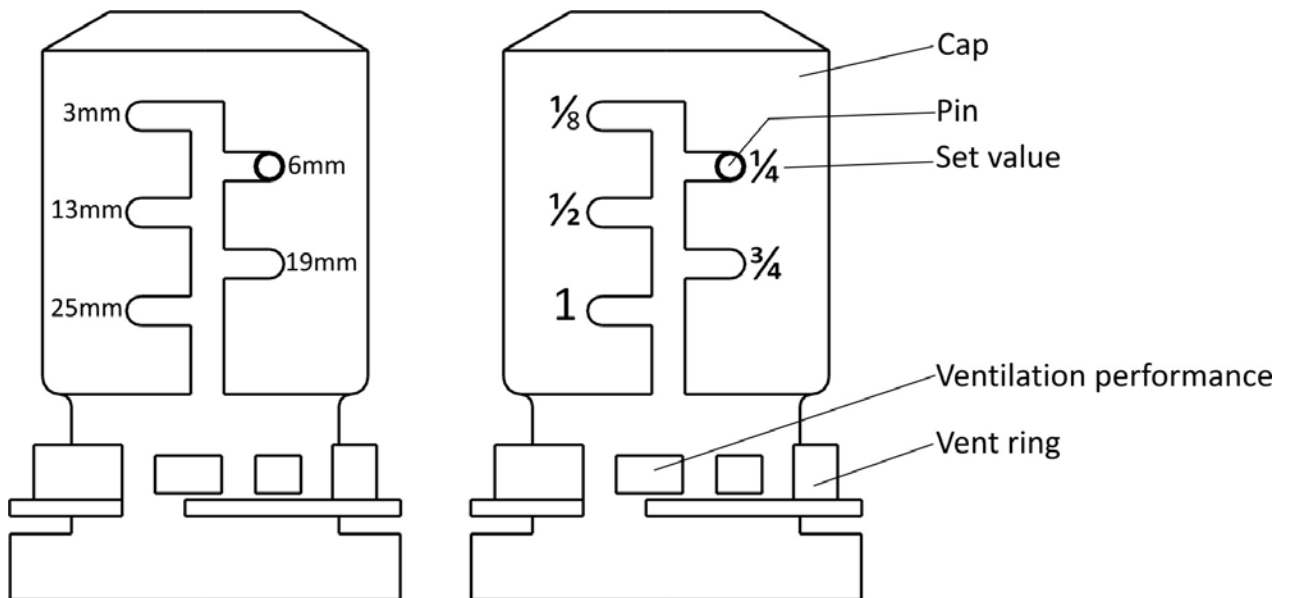


Figure 2

4. Benefits

Mini-Clik does not collect the rain fall but absorbs it by the hygroscopic discs.

Thus the system has the following advantages:

- ☆ Measurement is not falsified by leaves, boughs or any other foreign particles
- ☆ No frost damages by collected water
- ☆ Decontrol of the next scheduled irrigation cycle is controlled and automatically activated

Subject to change without prior notice.

Please do not hesitate to contact for any additional information.