Nova Rocha
SISTEMAS E EQUIPAMENTOS DE REGA

SENSORES E INTERFACES PARA CONTROLADOES E ESTAÇÕES PRO - HR

Heron supply a range of sensors to integrate with our irrigation and environmental controllers . The sensors can help to optimise your growing conditions, improving efficiency and increasing yield.

Data from Heron sensors can also be logged using Ground Control software.

SENSOR DE HUMIDADE INTERNO

High quality humidity sensor suitable for industrial environments.

- Operates irrigation to control humidity in misting and fogging.
- Multiple humidity sensors can be connected using the 8 way input board.
- For external humidity control use a Heron weather station.
- Accuracy +/- 3%. Range 0-100%.

SENSOR DE LUMINOSIDADE

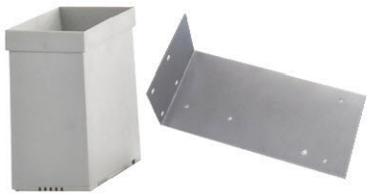
- The light sensor is fully encapsulated for internal or external use.
- Can control irrigation cycling by integrating light power over time to calculate an energy level. Up to 8 energy level thresholds can be set.
- Can initiate irrigation based on light power.
- Can be used to reduce EC levels when using a fertilizer dosing system.
- Power Range 8-2000 Watts/cm2. Wave Length 420 - 675 nm.

SENSORES DE TEMPERATURA

Heron produce an aspirated and non-aspirated temperature sensor for internal temperature measurement .

- The non-aspirated sensor is suitable for applications where the temperature is not changing rapidly and the sensor can be mounted in the shade.
- The aspirated sensor provides more accurate measurement of air temperature particularly when the temperature is changing.
- The aspirated sensor includes a water resistant fan and can also be fitted with a humidity sensor.
- Irrigation can be enabled or disabled once a certain temperature threshold has been reached.
- Accuracy to 0.1° C. Range -10°C - + 50°C.

PLUVIOMETRO



The rain gauge is tipping spoon rain sensor.

- Rain fall thresholds can be set which will reduce irrigation by a specified percentage.
- The period over which the rain fall will effect the irrigation can be adjusted.
- A stainless steel bracket for this rain sensor is available.
- Accurate to 1mm of rain fall.

SENSORES DE HUMIDADE DO SOLO

* Sondas tensiometricas

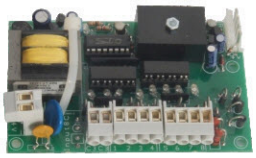
* Sondas electronicas

SENSOR DE PRECIPITAÇÃO

The raining sensor detects the immediate on set of rain fall. The raining sensor is usually used for environmental control but can be used to immediately disable irrigation.

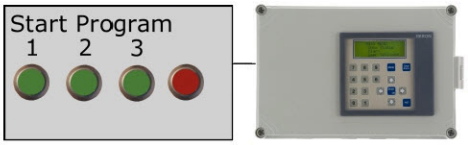
- Gold-plated heated plate for a very quick response time and long term reliability.
- The unit is fully encapsulated.
- Rain fall as low as 0.005mm will be detected.

PLACA EXPANÇÃO 8 VIAS

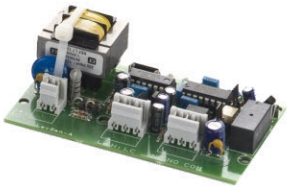


The 8 way input board allows 8 switched inputs to control a irrigation controller.

- The board can be mounted in the controller or fitted externally.
- Up to 2 boards can be connected to a controller.
- The switched inputs are optically isolated and the switches can be up to 200m from the controller.
- Each switched input can be programmed to perform one of the functions listed below.
  - Send a text message and log an event
  - Start an irrigation program
  - Stop an irrigation program
  - Freeze an irrigation program
  - Stop All programs.

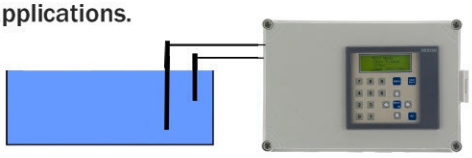


PLACA PARA CONTROLO DE SENSOR DE NIVEL



The level sensor board allows level sensing in a water tank using stainless steel rods.

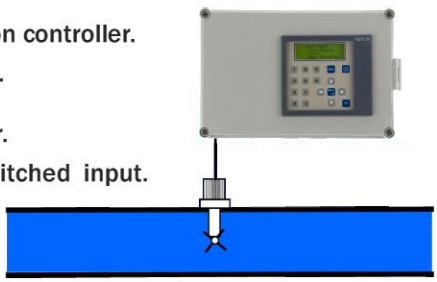
- It provides a very accurate trip point and is ideal for small or shallow tanks.
- The board includes 2 sensor inputs for high and a low level sensing.
- Hysteresis software on the output prevents the output changing to rapidly. The output will not change state until both the high and low sensor are in the same condition.
- An additional relay output on the board can be used to operate other control equipment.
- Can be fitted inside a irrigation controller or externally.
- Option to allow for tank filling or tank emptying applications.



PLACA PARA CONTROLO DE SENSOR DE PRESSÃO

low sensor board allows one or more flow meters to be connected to a irrigation controller.

- Up to 4 boards can be connected to one Heron irrigation controller.
- Supports paddle wheel and pulse type volume meters.
- 20V supply available to power the flow sensor sensor.
- The board is optically isolated from irrigation controller.
- The board also has one additional general purpose switched input.



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Zona Ind. Maia II, Friães, Rua António Ferreira da Silva,
Lotes 11, 12 e 13
Apartado 7010, 4475-463 Maia - Portugal
Tel.: 22 982 14 84 | Fax: 22 982 14 85
geral@novarocha.com www.novarocha.com