

# Heron

## Multi-Wire Irrigation Controllers

The Heron range of multi-wire controllers provide a versatile and reliable solution for irrigation in horticulture, landscape & agricultural applications. Our multi-wire controllers have a superb range of software features, enabling you to customise the controller match the exact needs of each installation.



## Mi Models & Sizes

The Heron Mi range of controllers is available from 4 to 144 valves

- Base models are available in 4, 8, 12 & 16 valve options with fixed outputs
- The Mi144 irrigation controller operates 16 valves as standard, however it can be upgraded to operate a maximum of 144 valves using additional output cards. The additional output cards are available in 8 and 16 valve models. The additional output cards are installed in expansion boxes.



## Choose How You Want to Work



Heron's Mi range of irrigation controllers can be operated in the following ways:-

- As a standalone controller
- From a PC using Heron's Ground Control Software
- From a mobile device or PC using the WEB based APP

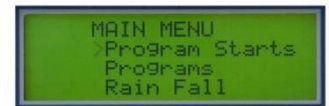


## Easy to Use

Heron's multi-wire controllers are menu driven, making them intuitive and easy to use. Because every site is different, Heron multi-wire irrigation controllers can be configured to match the needs of each installation.

You can specify the number of programs, the type and number of automatic starts needed. Software features can be enabled or disabled as required.

Simply select the features you want to use from the list of options. The features will then appear in the controller's main menu for you to use.



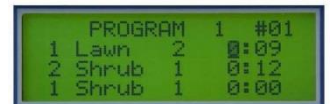
## Complete Control

Your Irrigation sequence can be fully customised. Valves can be run in any order. Valves within a sequence can be set to run in parallel.

To simplify the creation of irrigation sequences, valves can be individually named.



Our multi-wire irrigation controllers will integrate with the range of Heron sensors. Irrigation can be controlled by light, rain, temperature, humidity, soil moisture or wind direction.



Heron Controllers can also be connected to Heron fertiliser and acid dosing systems. Up to four dosing systems can be connected to one irrigation controller.

## Irrigation Program Features

- Up to 30 Independent programs, with up to 64 start times per day
- Runs up to 4 valves concurrently. Up to 8 Looping Cyclic starts
- Valves can be individually named. Valves can be specified to run on time or volume basis
- Valve times can be set from a minimum of 3 seconds to 60 hours
- Rainfall can be monitored over 1 to 4 days, irrigation programs can be reduced by 25%, 50%, 75% or 100%
- Programs can be allocated to up to 5 pump starts or master valves
- Valves can be defined for filter back flush use
- Programs can be integrated with light, rain, humidity, soil moisture and temperature sensors
- Fertigation facility to run fresh water followed by fertiliser and the fresh water
- Irrigation can be controlled from a calculated evapotranspiration (ET) value. The ET value can be calculated using a variety of sensors, depending upon the required accuracy

## Hardware Features

- Compatible with any 24v AC solenoid valve
- Option to operate DC valves
- Output current 1.0 Amps (resistive) with electronic overload cut-out
- Up to 16 remote inputs available
- Two pump start outputs available
- Three digital inputs; start stop & flow meter



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