



Galcon GSI Irrigation Controller

GALCON GSI AG

- DC Controller – 12 station + master valve, battery operated
- AC Controller – 12 or 24 station + master valve, AC connection
- Advanced battery saving technology allows DC controller to be “offline” while continually managing field based irrigation activities
- Pulse Water meter connection
- Leak detection using pulse water meter
- Fertilizer injection based on % of station on time (meter not supplied) see next page for more fertilizer options
- Flow sensing capabilities enabling both high and low flow reaction that can help reduce unnecessary water loss and prevent equipment damage.
- Scheduling – Daily, Weekly or Cyclic up to 999days
- Eight (8) irrigation programs
- Four programs on at any time
- Four start times per program
- Interval watering – start and stop time – ideal for loop watering, up to 99 cycles, up to 99 intervals
- Station run times 1 minute to 24 hours (1 second to 24 hours on AG model)
- Selectable non watering window by calendar date
- Seasonal settings with budgeting
- Secure online irrigation management – anywhere, anytime (requires switched circuit data sim only)
- Irrigate by Time, Area or Volumetric settings
- Friendly online user interface is easy to learn and simple to operate
- Email alarm warnings
- Log reporting
- Cloud based application allows access from any computer with internet access
- No software to download or dedicated computer required
- Over the air (OTE) firmware upgrades automatically
- Easy installation – indoor or outdoor
- Subscription free online access – no annual or monthly fees
- Rain sensor input terminal
- Requires SIM card to be supplied and installed (speak to your representative for further details)
- Iphone IOS free on iTunes – allows manual switching of stations or programs
- Android OS free on Google Play – allows manual switching of stations or programs

MODELS

12 station AC series controller with plug in power cord

GSIAG12AC

24 station AC series controller with plug in power cord

GSIAG24AC

12 station DC series controller, requires 4 x D cell Alkaline batteries

GSIAG12DC



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GALCON GSI AG FERTILISER INJECTION (REQUIRES SOFTWARE)

Galcon GSI AG is web based fertiliser control allowing user to select two types of fertiliser injection and five methods of fertiliser injection into open field and nursery watering systems. Fertiliser leak detection with alarm reporting via email to mobile or pc, software available for existing GSI controllers or new irrigation controller that makes it easy to optimize your fertilising schedule from your PC using “cloud” based technology.

FERTILISER INJECTION METHODS

Litres: 0 – 6500 litres of fertiliser can be injected in one sequence, water before fertiliser and water after fertiliser available

Time: 0 – 99 hrs in time of fertiliser can be injected in one sequence, water before fertiliser and water after fertiliser available

L/M3: 0 – 6500 litres of fertiliser can be injected for every cubic meter of water, water before fertiliser and water after fertiliser available

Fragmented Litres: 0 – 6500 litres of fertiliser will be injected evenly over the watering time per station between water before fertiliser and water after fertiliser ie: station run time 40 minutes, water before fertiliser is 5 minutes and water after fertiliser is 5 minutes therefore injected fertiliser will be evenly spread over 30 minutes watering time.

Percentage %: 0 – 100% of fertiliser will be injected in the middle of the station run time based on the percentage chosen. ie: Station run time 40 minutes, fertiliser percentage 10%, controller will irrigate without fertiliser for 18 minutes and then add fertiliser for 4 minutes then complete irrigation for another after 18 minutes without fertiliser.

Active inputs for GSI AG Fert Injection

- Pulse Water meter – counts water flow rate and returns a pulse signal to input.
- Pulse fertilizer meter – counts fertilizer flow rate and returns a pulse signal to input

FERTILISER INJECTION METHODS

- Injection based on Fertiliser meter > selectable
- Injection based on flow rate > selectable
- Fertiliser leakage detection > report back to mobile or PC
- Station run times are selectable for time, quantity, l/m3 or mm
- Five methods of injection protocol
- Water before fertiliser 0 – 99hrs (not available if injecting by percentage method)
- Water after fertiliser 0 – 99hrs (not available if injecting by percentage method)
- Uses last station on GSI24AC as fertiliser output
- Uses last station on GSI12DC as fertiliser output



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