



DESCRIPTION

The Sapphire is a commercial irrigation controller that is ideal for applications requiring misting, flood, drip or standard irrigation.

The controller comes with 8-outputs and provides cloud monitoring and control. Easy to install and program. This controller allows the grower the flexibility of utilizing different irrigation methods with one controller.

With Cloud access, programming, monitoring and reporting is easily performed remotely. The newly implemented grow journal allows the grower the ability to add notes and tasks in the system, store grower logs, and generate reports.

KEY FEATURES

- **8 independent outputs** - to control multiple zones with one controller.
- **Mist, pulse, and irrigation control** - for each output for flexible growing applications.
- **Multiple start and end times per day** - to provide crop specific flexibility.
- **On/Off manual timed override** - allowing for simple changes when needed.
- **Easy to program at the controller or remotely** - from the Cloud for convenient zone adjustments.
- **Cloud access** - For easy monitoring and control via the internet.

SUPERIOR CLOUD MONITORING & CONTROL

- True phone app interface and multiple device capability for convenient remote access
- Integrated with other Link4 Cloud portals designed to simplify overall access.
- Advanced alarm tracking and notifications for ease of mind and convenience.
- Easy to read Cloud dashboard for simple monitoring or editing each zone in one location.
- New Cloud Grow Journal for tracking critical zone-specific crop data, issues, and required staff actions.

CONTROLLER FEATURES

STANDARD OUTPUTS	8 fixed
ZONES	8 - one per output
IRRIGATION FUNCTIONS	Mist, pulse, flood, drip, irrigation
STATUS / NEXT STATUS DISPLAY	On controller & cloud
MODE IDENTIFICATION	Auto / On / Off
MANUAL OVERRIDE SWITCHES	Yes - At controller
MANUAL OVERRIDE PROGRAM	Yes - for each output
PROGRAMMABLE AT PANEL	Yes
POWER CONNECTION	(2) Wall wart Power supplies 120v
MULTI-ZONE OPERATION	Up to 2 outputs at same time
ALARM NOTIFICATION	Yes
CLOUD PROGRAMMING	Yes
CLOUD ALARMING	Yes
CLOUD GROW JOURNAL	Yes

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Equipment Status			
1 Irr1	Off	2 Irr2	Off
3 Irr3	ON	4 Irr4	Off
5 Irr5	Off	6 Irr6	Off
7 Irr7	Off	8 Irr8	Off

Your equipment/outputs					
No.	Name	Type	State	Status	
1	Irr1	Irrigation	Off	N/A	MODIFY
2	Irr2	Irrigation	Off	N/A	MODIFY
3	Irr3	Irrigation	ON	[Running]	MODIFY
4	Irr4	Irrigation	Off	N/A	MODIFY
5	Irr5	Irrigation	Off	N/A	MODIFY
6	Irr6	Irrigation	Off	N/A	MODIFY
7	Irr7	Irrigation	Off	N/A	MODIFY
8	Irr8	Irrigation	Off	N/A	MODIFY

EQUIPMENT	
Cameron 2021-04-22 19:57:00	Time to Prune
PESTS	
Sean 2021-04-22 10:44:00	Aphids on plants in Greenhouse 1
POWER	
Ron 2021-04-22 19:08:00	Loss of power for an hour
EQUIPMENT	
John 2021-04-22 09:00:00	Bench #4 Down
PLANTS	
Sean 2021-04-20 12:10:00	Need to transplant plants on Bench1, Greenhouse 2

Integrate with the Link4 Cloud to enhance your ability to view, control, report and receive alarms remotely.

GENERAL CONTROLLER INFORMATION

CONTROLLER TYPE	Irrigation
PROJECT TYPE	Indoor / Greenhouse / Hydroponics / Vertical / Outdoor nursery
PROJECT COMPLEXITY	Simple
PROJECT SIZE	Small to Medium

EQUIPMENT INTERFACE

SOLENOIDS	Yes- up to 1 amp / output (Relay required if more than 1A)
PUMPS	With added contactor
INJECTORS	Syphon- water pressure

PRODUCT SPECIFICATIONS

ITEM CODE	DESCRIPTION	DIM	WT	V/A in
990-0910-00	Sapphire Irrigation Controller	8"x10"x3.5"	2.5 lbs	120VAC/2A

APPLICATIONS AND USES

STANDARD USES	
MISTING	Yes
PULSING / FLOOD	Yes
DRIP	Yes
STANDARD IRRIGATION	Yes
SPECIALTY USES	
SYPHON INJECTORS	Yes
INDOOR FLOOD TABLES	Yes
FACILITIES	
INDOOR GROWS	Yes
GREENHOUSES	Yes
OUTDOOR NURSERIES	Yes
HYDROPONIC SYSTEMS	Yes
VERTICAL FARMS	Yes