

Hydro-X Controllers Comparison



Hydro-X
(HCS-1)



Hydro-X PLUS
(HCS-3)



Hydro-X PRO
(HCS-2)

Quick Look

Display	Backlit 128 x 128 LCD Display	7" LCD Color Display	10.1" LED Color Display
Control	Button Control	Touchscreen Control	Touchscreen Control
Save / Copy / Import / Export Data	Micro-SD	Micro-SD	Micro-SD
Firmware Update	Micro-SD	Micro-SD / Online	USB / Online
Package Content	Hydro-X Controller x 1 Commercial 3-in-1 Sensor x 1 RJ12 Cable Set x 1 Mounting Plate x 1	Hydro-X Plus Controller x 1 Commercial 4-in-1 Sensor x 1 RJ12 Cable Set x 1 Mounting Plate x 1	Hydro-X Controller x 1 Commercial 4-in-1 Sensor x 1 RJ12 Cable Set x 1 Mounting Plate x 1

Product Capacity

MAX. Number Of Sensors

3-in-1 Sensor (Temperature, Humidity, Day/Night)	Max. 1 pc	-	-
CO2 Sensor	Max. 1 pc	-	-
4-in-1 Sensor (Temperature, Humidity, CO2, Day/Night)	-	Max. 6 pcs	Up to 50 Different Sensor In Combination
Full Spectrum Quantum Sensor	Max. 1 pc	Max. 1 pc	
Water Detectors	Max. 5 pcs	Max. 10 pcs	
Water Content Sensors	-	-	
Smoke Detectors	Max. 5 pcs	Max. 10 pcs	

MAX. Number Of Control Modules

Temperature Device Stations	Max. 4 pcs	Max. 8 pcs	Up to 50 Different Control Modules In Combination
Humidity Stations	Max. 2 pcs	Max. 8 pcs	
CO2 Device Stations	Max. 2 pcs	Max. 4 pcs	
Program Device Stations	Max. 9 pcs	Max. 12 pcs	

Internet Connectivity

Remote Control / Monitoring	APP	APP	Web-based Program / APP
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Lighting Control

Sunrise / Sunset Lighting Control	✓	✓	✓
2 Separate Lighting Channels	✓	✓	✓
Controls Lights Using PPFD / PAR meter	✓	✓	✓
Auto PPFD Light Control	✓	✓	✓
DLI Monitoring	-	-	✓
4 Spectrum Control (ThinkGrow LEDs)	-	✓	✓
Group Control (10x2) (ThinkGrow LEDs)	-	✓	✓
Cloud Effect (ThinkGrow LEDs)	-	✓	✓

Climate Control

Separate Day/Night Settings	✓	✓	✓
Controls HVAC & Mini-Split Acs	✓	✓	✓
Controls Commercial Humidifiers / Dehu	✓	✓	✓
Controls Timer Devices	✓	✓	✓
Controls Supplemental CO2	✓	✓	✓
Sub-zone Monitoring & Control	-	Monitoring Only	✓

Advanced Features

Sunrise/Sunset Transition Settings	-	-	✓
Calendar Reminders	-	-	✓
Calendar Control - Predetermined "Recipes"	-	-	✓
Spray Mode (Temporarily Shuts Off Devices)	-	-	✓
Smoke Alarm Control	-	-	✓
Monitors Media Moisture Level	-	-	✓