

GCS-1

Green-X Greenhouse Control System

The GCS-1 Greenhouse Control System is a state-of-the-art control system designed for comprehensive greenhouse management. The GCS-1 offers users precise control over irrigation, climate, CO2 levels, and lighting, all within a single modular controller. This sophisticated system integrates multiple devices and sensors to create an optimal growth environment. It features an Replacement 4-in-1 Sensor (MBS-GH) for real-time monitoring of temperature, humidity, and light levels. Additionally, for outdoor conditions, the GCS-1 can integrate with a weather station sensor (MBS-WS) and a motor controller (DMC-1) to address external temperature and weather conditions.



Users can daisy-chain the MBS-GH sensor with various other sensors, including the CO2 sensor (MBS-S8), full spectrum quantum sensor (MBS-PAR), Weather Station Sensor (MBS-WS), as well as smoke and water detectors, all connected to the SENSOR port of the GCS-1. The system also accommodates separate ports for different functionalities; DS modules connect to the device port, while pumps and valves are linked to the irrigation port. It is compatible with OA6-24, OAT-24, OA6-110, DSP, and DSD-P devices. The scheduling options available include single, multiple, or recycle timers, offering flexibility and precision in managing irrigation. Designed with modularity in mind, the GCS-1 enables growers to customize their systems according to specific requirements, making it an ideal solution for those seeking a comprehensive and adaptable greenhouse control system.

Specifications

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Input Voltage

Input Voltage100-240VAC, 50/60Hz

Package Dimensions

Size10.04inch / 255mm(L) x 5.31inch / 135mm(W) x 3.66inch / 93mm(H)
Gross Weight1.72lbs / 0.78kg

Product Dimensions

Size6.52inch / 165.58mm(L) x 3.78inch / 96mm(W) x 1.63inch / 41.5mm(H)
Gross Weight0.54lbs / 0.243kg

Output Current

Output Current3A (max 1.1A per telephone jack)

Working Environments

Temperature32-122°F (0-50°C)
Humidity≤90%RH

Package Contents

Green-X Greenhouse Control System	1pc
Replacement 4-in-1 Sensor for Green-X Controller	1pc
RJ12 Cable Set for Light Connection	1pc
12V Power Adapter	1pc
RJ12 T-Splitter	1pc
4ft M12 Cable	1pc

Product Capacity

MBS-GH (Replacement 4-in-1 Sensor for Green-X Controller)	max 1pc per set
MBS-PAR (PPFD)	max 1pc per set
MBS-SD (Smoke Detector)	max 1pc per set
MBS-WS (Weather Station Sensor)	max 1pc per set
WCS-1 / 2 / 3 (WC/EC/Temp)	max 8pcs per set
AMP-3 (pH/EC/Temp)	max 1pc per set
DFM-1 / 2 / 3 (Flow Meter)	max 1pc per set
WD-1 (Water Detector)	max 2pcs per set
DMC-1 (24V DC Greenhouse Roll Up Motor Controller)	max 4pcs per set
OA6-24 / OA6-110 / OAT-24 DSP-1 / DSD / DSV	max 8pcs per set
Temperature Device Stations	max 4pcs per set
Humidity Device Stations	max 4pcs per set
CO2 Device Stations	max 2pcs per set
Timer Device Stations	max 2pcs per set
EC Fan Control Adaptor	max 4pcs per set

Link Up

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CONNECTION DIAGRAM

