

# 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

### GCS-1

#### Input Voltage

**Input Voltage** 100-240VAC, 50/60Hz

#### Output Current

**Output Current** 3A (max 1.1A per telephone jack)

#### 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

#### Package Dimensions

**Size** 10.04inch / 255mm(L) x 5.31inch / 135mm(W) x 3.66inch / 93mm(H)

**Gross Weight** 1.72lbs / 0.78kg

#### Working Environments

**Temperature** 32-122°F (0-50°C)

**Humidity** ≤90%RH

#### Product Dimensions

**Size** 6.52inch / 165.58mm(L) x 3.78inch / 96mm(W) x 1.63inch / 41.5mm(H)

**Gross Weight** 0.54lbs / 0.243kg

#### 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

## Link Up

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#### CONNECTION DIAGRAM

