

TCS-1

Tent-X Control System

The Tent-X (TCS-1) control system is a state-of-the-art control system, designed for single-zone grow tents. The Tent-X offers users control of both the environment and the irrigation, in one single controller. It is the brain that unites all your climate control and irrigation devices into one being, allowing your devices to work together in order to create the optimal growth environment for your plants.



It comes with a 3-in-1 temperature, humidity, and light sensor, the MBS-TH. Users can daisy-chain the MBS-TH sensor with the CO2 sensor (MBS-S8), the full spectrum quantum sensor (MBS-PAR), and the smoke and water detectors into Tent-X's SENSOR port.

You can also connect an AMP-3 sensor board to the Tent-X and the WCS-1/2/3 sensors or the WD-1 water detector to the sensor board. Additionally, Tent-X supports the connection of up to four DS plug-in control modules. You can assign your pumps and valves to the Tent-X using the Program modules, and set up irrigation schedules. You can set single schedules, multiple schedules, and recycle timer.

\*Due to the compact environment of a grow tent, you can only assign a single sensor for each type of sensor.

The Tent-X is intended to be used by growers who want a compact control system for their grow tents. It is also modularly designed, allowing for system customization based on a grower’s needs.

Specifications

TCS-1

Input Voltage

|         |                     |
|---------|---------------------|
| Voltage | 100-240VAC, 50/60Hz |
|---------|---------------------|

Working Environments

|             |                    |
|-------------|--------------------|
| Temperature | 32°-122°F (0-50°C) |
| Humidity    | ≤90%               |

Product Dimensions

|            |                                                                    |
|------------|--------------------------------------------------------------------|
| Size       | 6.52inch / 165.58mm(L) x 3.78inch / 96mm(W) x 1.63inch / 41.5mm(H) |
| Net Weight | 0.54lbs / 0.243kg                                                  |

Package Dimensions

|              |                                                                 |
|--------------|-----------------------------------------------------------------|
| Size         | 10.83inch / 275mm(L) x 6.46inch / 164mm(W) x 2.55inch / 65mm(H) |
| Gross Weight | 1.98lbs / 0.90kg                                                |

Display & Control

|                                   |                                |
|-----------------------------------|--------------------------------|
| Size                              | Backlit<br>128x128 LCD Display |
| Control                           | Button Control                 |
| Language:                         | English (International)        |
| Save/Copy/<br>Import/ Export data | Micro SD                       |

Package Contents

|                                    |     |
|------------------------------------|-----|
| Tent-X Controller                  | 1pc |
| Temp / Humid / Light 3-in-1 Sensor | 1pc |
| 16ft RJ12 Cable                    | 1pc |
| 12V Power Adapter                  | 1pc |
| RJ12 Y-Splitter                    | 1pc |
| 4ft M12 Cable                      | 1pc |
| 4ft RJ12 Cable                     | 1pc |

Product Capacity

|                                  |            |
|----------------------------------|------------|
| MBS-TH<br>(Temp / Humid / Light) | Max 1pc    |
| MBS-S8 (CO2)                     | Max 1pc    |
| MBS-PAR<br>(PPFD)                | Max 1pc    |
| MBS-SD<br>(Smoke Detector)       | Max 1pc    |
| AMP-3<br>(pH / EC / Temp)        | Max 1pc    |
| WCS-1/2/3<br>(WC / EC / Temp)    | Max 1pc    |
| WD-1<br>(Water Detector)         | Max 2pcs   |
| Temperature<br>Device Stations   | Max 2pcs   |
| Humidity<br>Device Stations      | Max 2pcs   |
| CO2 Device Stations              | Max 2pcs   |
| Timer Device Stations            | Max 4pcs   |
| EC Fan Control Adaptor           | Max 2pcs   |
| Light Channels                   | Max 2lines |

Link Up

TCS-1

CONNECTION DIAGRAM

