



CG100H-SKY Series Installation guide

Ratings

Main unit

Operation Voltage DC 12V
Current consumption 200mA

Power supply: Citygrow CG801PS01, System Power Supply.



CG801PS01, System Power Supply
Input: AC 90 to 264V, 50/60HZ
Output: DC 12V, 5A

Before getting started



WARNING! The product must be installed by a qualified electrician in accordance with all applicable regulations and building codes. Improper wiring can result in personal injury or damage to control units or other equipment. Always turn off circuit breaker or remove main fuse from power line before doing any work. To avoid overheating and possible damage to equipment.



WARNING! Do not operate control units with any lamps removed or burned out; replace any burned out lamps immediately; use only transformers that incorporate thermal protection or fused primary windings. ! The product is designed for residential and commercial use, for indoor use only.



WARNING! Install in accordance with all national and local electrical codes.



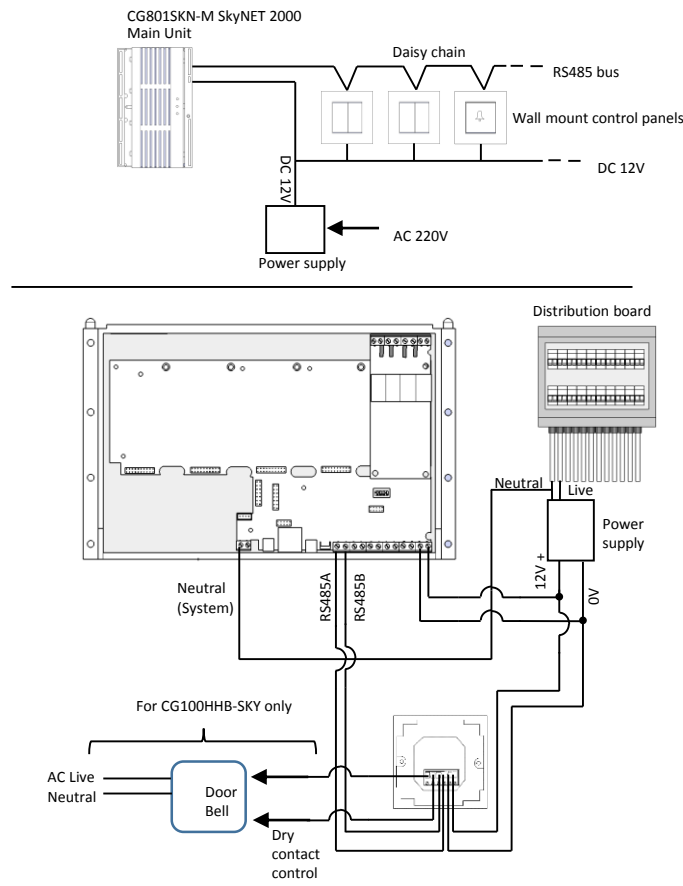
IMPORTANT! Citygrow® is not liable for any damage incurred with the misuse of this product.



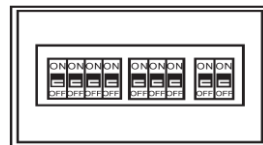
IMPORTANT! Pre-setup can only be done by a professional worker or manufacturer agent.

Installation instruction

Wiring diagram



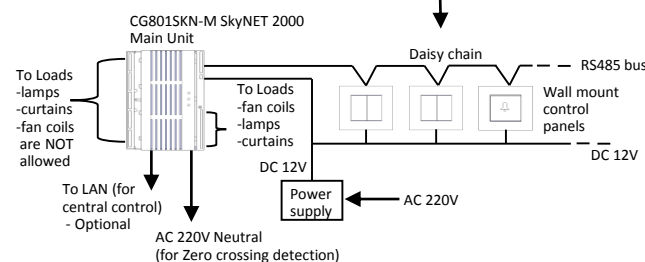
STEP 1: IMPORTANT! Turn off main power at the main switch board.



STEP 2: Loosen the screws of the original wall switch. Remove the switch and the wiring.

STEP 3: Pull the Belden 8723 cable and 1 pair of Dia. 1.5mm copper wire power cable (black and red color) from the location of the SkyNET 2000 main unit to the wall box location.

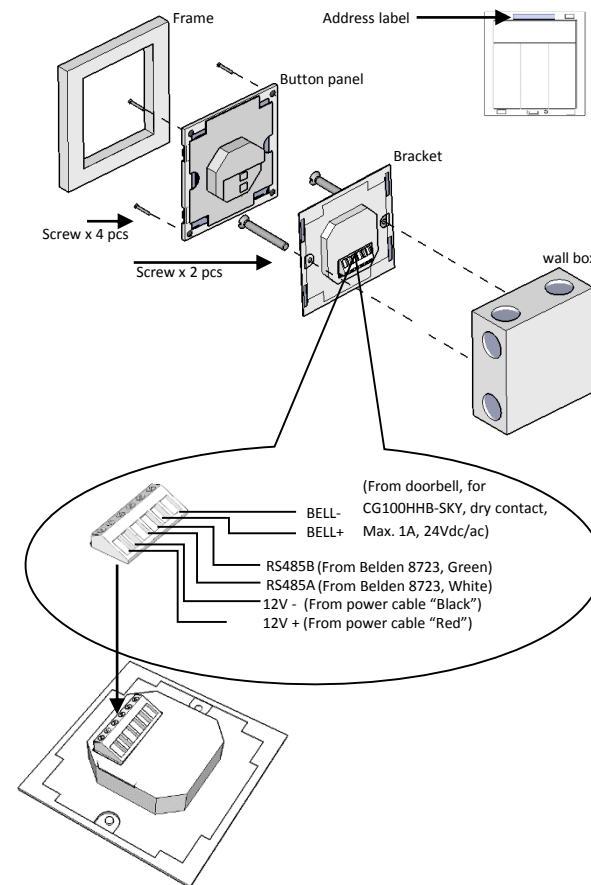
Please note if you have more than 1 wall box location will install CG100H4-SKY panel, the Belden 8723 cable and the power cable should be ready at each of the wall box location. The cables at the second wall box location should be pulled from the first wall box location such that they are in daisy chain configuration.



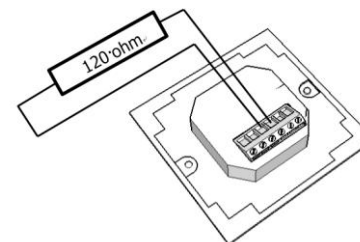
STEP 4: Connect the Belden 8723 cable wires and the power wires, and then fix the product on the wall box according to the following diagram.

Important!

Before plugging the Button panel onto the Bracket, double check the Dip Switch located at the back of the Button panel to see whether the address is equal to the label located at the front of the button panel. If there is no address label at the front of the Button panel, please add an address label to it. This address label will be for future use during the SkyNET Planner programming.



STEP 5: At the last panel of the RS485 bus (the last one of the daisy chain), add a termination resistor of 120ohm 1/4W across the RS485A and RS485B terminals to terminate the data transmission impedance.



STEP 6: For the SkyNET 2000 main unit connection of cable and power wires, please refer to the SkyNET 2000 User Manual.

STEP 7: Double check if all wiring is correct, then power up the main switch board, the LED indicators on CG100H-SKY series will be lighted up for one second if you push the button once. Since the CG100H-SKY is not programmed and setup by SkyNET Planner Software at this moment, the product buttons will not function at this stage.



Notes:

Use standard UK wall box BS4662; minimum 35mm deep. During installation of the wall box, it is recommended to embed the wall box deeper inside the wall in order to give more room to install the product. The room inside is recommended to have 50mm deep.

Details:

- For detail operation and specification, please refer to user manual and product specification.
- For detail programming of the product, please refer to SkyNET Planner Software user manual.

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