

# CG401S5-FCU/CG401S5V1-FCU - INSTALLATION GUIDE



CG401S5-FCU/  
CG401S5V1-FCU  
Fan Coil Control Switch Module

<b>Ratings</b> (see product spec. for details)	
<b>Power Supply</b>	AC100 to 240V, 50/60Hz
<b>Loads</b>	5 dry contacts Maximum 2A per channel @DC24V, or Maximum 4A per channel @AC240V
<b>RF Frequency</b>	2.4GHz
<b>Remote Distance</b>	100M

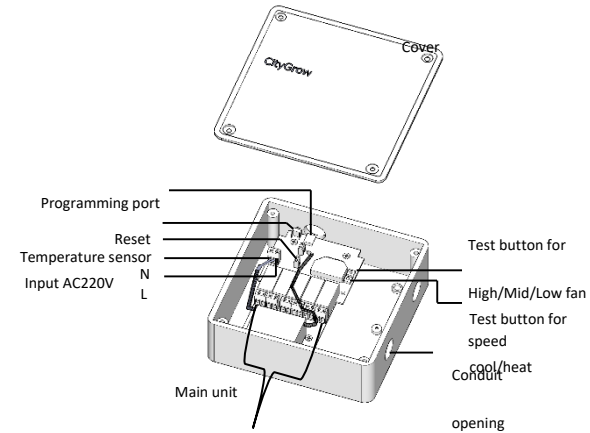
**Before getting started**

- ⚠ **WARNING!** It must be installed by a qualified electrician in accordance to 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 when any lamps removed or burned out; replace any burned out lamps immediately; use only transformers that incorporate thermal protection or fused primary windings. ! This product is designed for residential and commercial use, for indoor use only.
- ⚠ **WARNING!** Install in accordance to all national and local electrical codes.
- ⚠ **IMPORTANT!** CityGrow® is not liable for any damage incurred with the misuse of the product.
- ⚠ **IMPORTANT!** Pre-setup can only be done by a professional technician or manufacturer agent.

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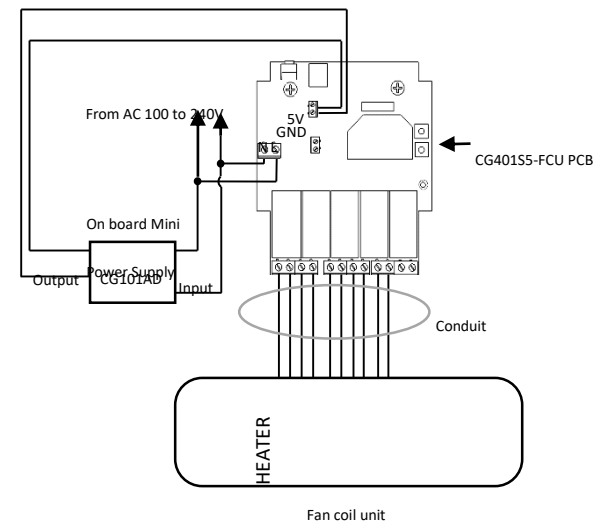
**Understanding the Product**



**Table 1: Connection terminals to fan coil**

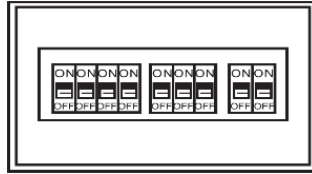
Pin number	Description
1, 2	Relay output for HEAT
3, 4	Relay output for COOL
5, 6	Relay output for FAN SPEED LOW
7,8	NC
9,10	Relay output for FAN SPEED MID
11,12	Relay output for FAN SPEED HIGH

**Wiring Diagram**

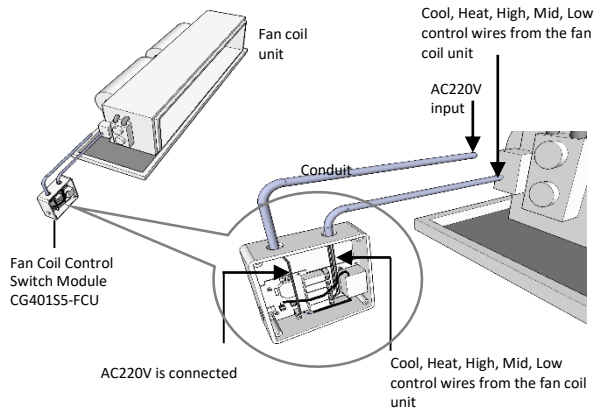


**Installation instruction**

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



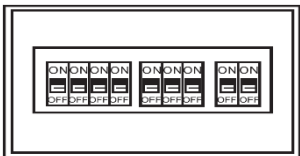
**STEP 2:** Select a location for installation which is nearby the fan coil unit (FCU). Mount the CG401S5-FCU on the location and route the conduits.



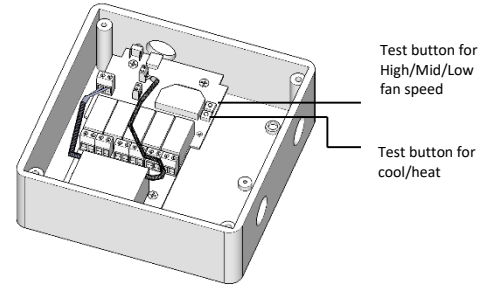
**STEP 3:** Connect the wires from the FCU to the CG401S5-FCU following the product diagram and table 1.

**Step 4:** Fasten the screws of all wire connectors and secure the in and out wires properly. Place the wire cover back to the module.

**Step 5:** Turn the main power on at the main switch board again.



**Step 6:** The module is now powered up and the orange LED will blink. Pressing the test button to test the module.



**Step 7:** Place the top cover back to the module and fasten the screws to complete the installation.

For more details about the product series, please refer to the user manual and product specifications.

For more details on programming of the products, please refer to HomeNET Planner Software user manual.