DCM3-S Installation

INSTRUCTIONS

Please read these Installation Instructions carefully before installing.

1) Check contents for completeness
The product box should contain one item, the DCM3-S, a 3-channel LED Dimming Control.

2) The DCM3-S may be mounted with screws through screw holes in the 2 mounting flanges.
The DCM3-S may also be adhesive mounted in a suitable Aluminum Linear LED Profile or other locations.
The DCM3-S is also sized to fit into a single gang electrical box. Be sure not to block the wireless signal with a metal cover plate. Plastic cover plates are fine.

3) The DCM3-S has 2 Terminal Blocks, one at each end of the device.
The 2-contact Terminal Block is the Input for 12VDC or 24VDC power. Correct polarity is important, miswiring will damage the DCM3-S.

4) The 4 contact Terminal Block is the Output to the LED strip. Polarity is important, miswiring will damage the DCM3-S.

5) The DCM3-S you have purchased is intended to be driven by a Class 2 Constant Voltage Power Supply.

6) The DCM3-S is typically used to control RGB LED strips or CCT white tuning LED strips. It can also be used to control a single channel LED strip of any color.
The white tuning can be configured either for LED strips with 3 different White Temperature LEDs or for LED strips with 2 different White Temperature LEDs
You need to set up the driver in Composer for the application you are intending, more on that below.

7) The DCM3-S can both tune the LED output and also dim to the desired brightness level.

8) Connecting the input power: polarity on the input must be observed.
Though most power supply outputs have red wires for Positive and black wires for Negative, confirm the polarity at the power supply output markings. Reversing the power input can damage the DCM3 irreparably. The + and – symbols are molded and printed just behind the terminal screw holes.
The power input wires can have a max size of 18AWG.
The power supply output should be rated as Class 2.

9) The DCM3-S can drive either 12VDC or 24VDC LED strips.
Chose a power supply with the voltage output that matches the LED strips.
Whatever the voltage of the power supply that supplies power at the Input, will be the voltage that the DCM3-S outputs.

DCM3-S Installation

INSTRUCTIONS CONTINUED

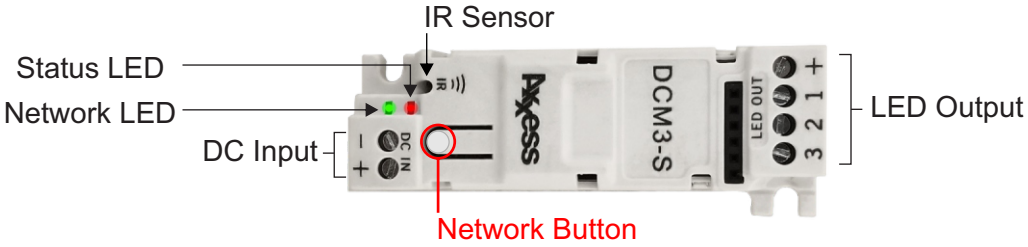
Please read these Installation Instructions carefully.

10) The wires should be stripped to a length of approx. 3⁄16” or 5.25mm. It is important that no significant amount of blank wire protrudes from the Terminal Block.
The outer sheathing of the wire should insert into the opening in the white housing. Be sure to twist the wire so that all strands enter the terminal block. The terminal screws should be well tightened so that the wire does not pull out when you perform a pull test.

11) Connect the power supply input into the line voltage. It is best practice to connect LED strip before connecting power supply input to line voltage.

12) On power-up the DCM3-S should show a green Network LED blink in a start-up sequence.

13) Join the DCM3-S to the ZigBee network now. This process is very similar to other devices joining to the Control4 ZigBee network.
- In composer, install the DCM3-S driver. Note: at this point the Axxess DCM3-S driver expects OS3.3. For an earlier version contact Snap One technical support.
- Open the Identify window.
- 4-tap the Network button (the slightly raised button on a springy tongue) and watch the DCM3-S identify.



- If you need to disconnect the DCM3-S from the network, tap the network button 13 times.

See further instructions on output wiring below.

14) Output Wiring: The Output terminal block has 4 positions, marked + 1 2 3 printed onto the case. Match the + space to the LED strip +
The default channel set-up is as follows:
RGB Strip – 1: Red LED, 2: Green LED, 3: Blue LED
3-Channel Tunable White – 1: Warmest White LED, 2: Medium White LED, 3: Coolest White LED
2-Channel Tunable White - 1: Warmest White LED, 2: Coolest White LED, 3: Not Used
1-Channel LED – any Color – 1

WIRING OPTIONS