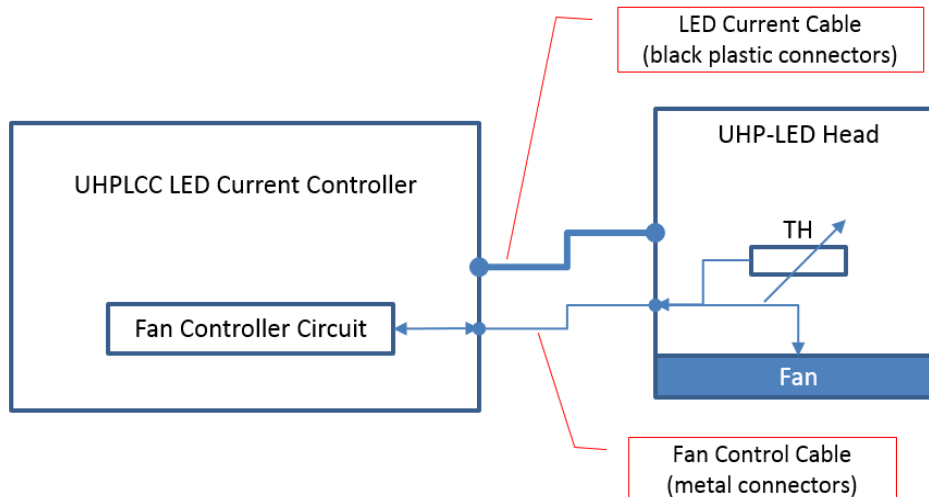


UHP-Mic-LED Change for Constant Fan Operation

Introduction

The UHP-Mic-LED cooling fan operation is controlled by fan controller circuit installed inside the UHPLCC Controller. The circuit turns the fan ON/OFF according to thermistor installed in the LED head.



In applications requiring long constant illumination constant fan operation mode is preferable over thermistor controlled mode.

This document describes the steps to change the wiring of female connector (connected to the LED head) of the fan control cable to get the fan controller to drive the fan in constant mode.

Connector Wiring Change

In order to change the wiring of the connector we need to follow following 4 steps:

- A) Opening of the connector
- B) Shorting of 2 pins of the connector
- C) Assembly of the connector
- D) Test of the system

Here are the steps in details:

A) Opening of the connector

- 1) Switch OFF the system and disconnect the power jack from the UHPBLCC LED controller.
- 2) Disconnect the Black connector, of the LED current cable, from the LED head

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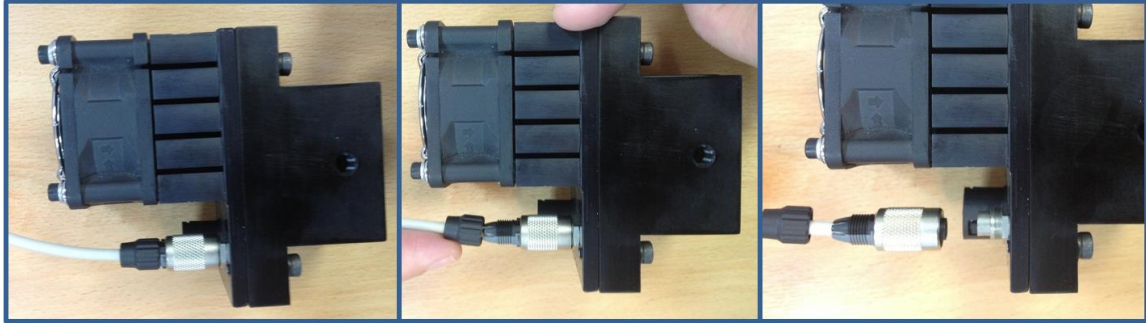
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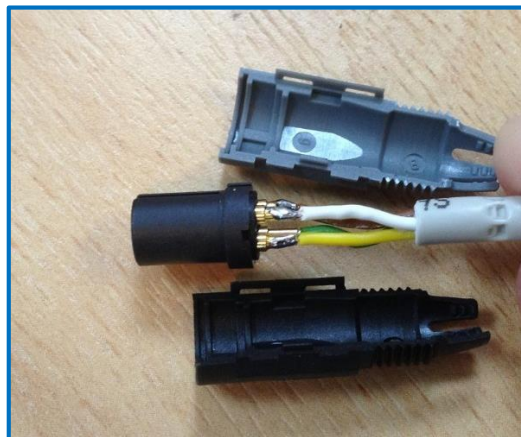
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- 3) Disconnect the metal connector from the UHPLCC controller
- 4) While the metal connector still connected to the LED head, unscrew the plastic boot from the connector and then disconnect the connector from the LED head:



- 5) Use tweezers to press the small stoppers on the back of the connector while pulling the metal collar out. Remove the metal collar and use tweezers to open the two plastic shells of the connector body:



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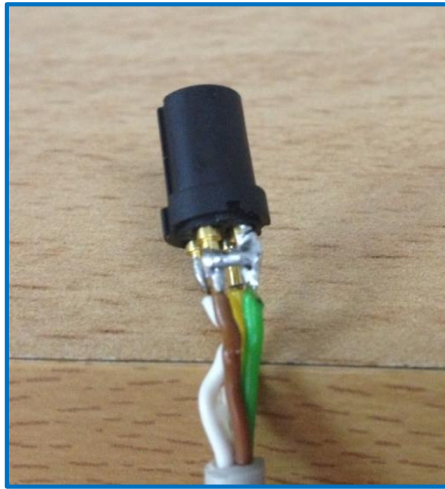
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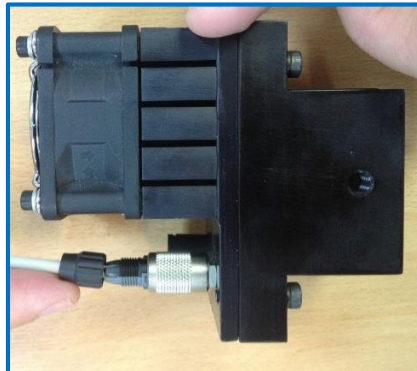
B) Shorting of 2 pins of the connector

- 1) Use solder iron to short the Green and Brown wires as shown at the picture:



C) Assembly of the connector

- 1) Follow the above steps in reverse order to assemble the connector.
- 2) To screw in the connector boot: 1st insert the semi-assembled connector on the LED head and then screw the connector boot like at the picture:



D) Test of the system

- 1) Assemble all cables and test the system for proper operation. The Fan shall start working immediately after turning the key switch ON.

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