

Supplementary Installation Instructions

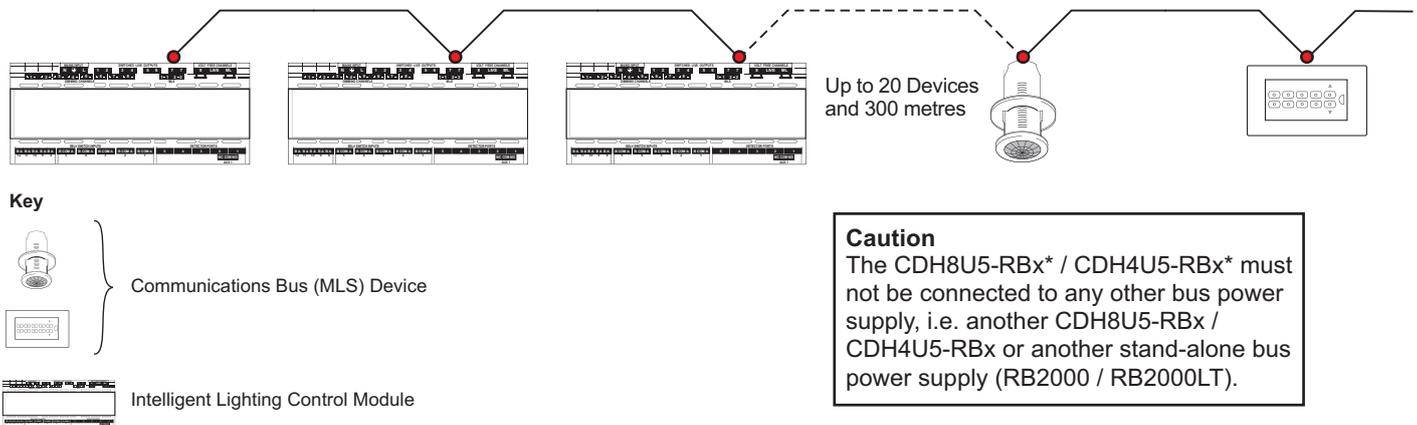
Using the RB2000 Bus Power Supply Unit with CDH4U5 and CDH8U5 Intelligent Lighting Control Modules

Introduction

This document is intended as an addendum to the installation and commissioning instructions for the CDH4U5 and CDH8U5 Intelligent Lighting Control Modules.

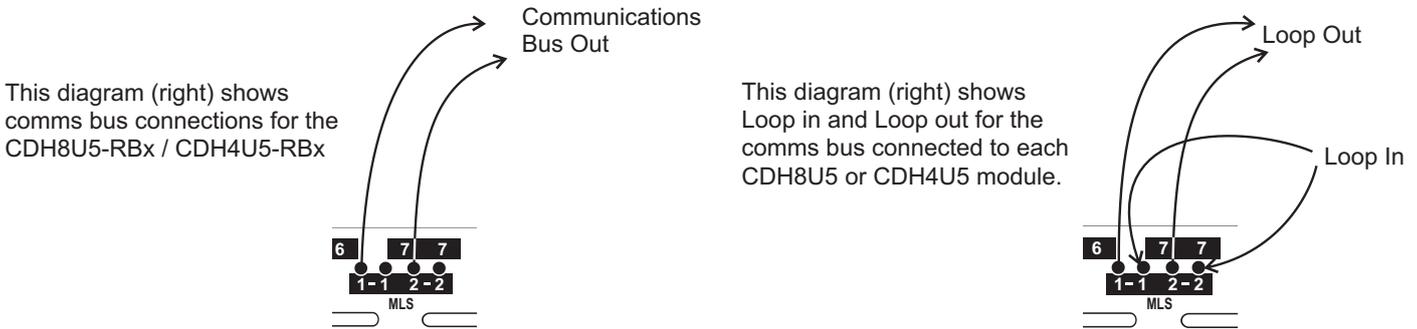
Installation & Connection

The CDH4U5-RBx* and CH8U5-RBx* are designed for creating small groups of Intelligent Lighting Control Modules working together. This provides the flexibility to group up to 20 units to work in harmony without requiring any additional Bus Power Supply Units.



As shown in the diagram above, multiple CDH4U5 / CDH8U5 LCMs can be connected together with one of the CDH4U5-RBx / CDH8U5-RBx units working as a master for the group. The Bus is polarity free; 2 pairs of terminals are provided for ease of looping. A maximum of 20 bus nodes can be connected.

The user can choose either a 4-Channel or 8-Channel version of Intelligent Lighting Control Module to connect with a CDH4U5-RBx / CDH8U5-RBx. Additionally, the user has the flexibility to add any product enabled with a communications bus as long as the total number of devices on the comms bus does not exceed the maximum allowed.



LED Indicators



As shown here, there are two LEDs that reflect the status of the communications bus. Bus activity is indicated by a green flash on the Bus Activity LED. A communication error, such as a short circuit on the bus, will be indicated by the LED flashing RED.

For the CDH8U5-RBx / CDH4U5-RBx the Bus Controller LED will be always ON.

Technical Data

Maximum number of bus nodes: 20
 Maximum cable length: 300m
 Recommended cable thickness: 0.75 mm²

* x denotes additional suffix characters

Notes:

1. Refer to Application Note AN4001 for further details of Comms Bus wiring.
2. Refer to the Installation and Commissioning Instructions for the CDH8U5 or CDH4U5 for specific instructions on the installation and commissioning of the Intelligent Lighting Control Modules.