C-Bus

Lighting Control System

Enhanced Labelling Technology Switch (eDLT) Specification Clauses

Revision Number: V1.00

Local Control Panel with Electronic Labelling (eDLT-Colour)

The C-Bus enhanced Dynamic Labelling Technology (eDLT) switch shall provide local push button control with Dynamic status and labelling displayed on its LCD screen. The device shall be locally powered from the C-Bus network and be configurable over the C-Bus network.

The labels shall consist of a text or graphic alongside each button. The eDLT shall have the ability to show dynamically the state of the device being controlled. In the event of controlling a load with multiple states, it shall have the ability to display the load type as well as the current status of the load as its secondary text field. The local control panel shall also have the ability to display such as a temperature measurement and power measurement.

Temperature reading could be displayed along with the location of the sensor and other useful information, such as prefix and suffix text. The ability to display measurements could also be applied to information like power usage and rainfall.

A 2.8" colour screen shall be available on the local control panel allowing the user to select from a range of background and foreground (text and icon) colours to suit. To maintain the integrity of the user interface, colour variants shall be limited. The background and foreground colours shall also be set and changed according to the lighting control event.

The local control panel shall provide up to four pages of controlled devices with up to four devices per page. The fifth position on each page shall indicate the active page number. It shall also provide the option of displaying time and date or the temperature of a zone being monitored. The dual action buttons shall allow the user to cycle forwards and backwards through the pages. Single page mode shall be a feature of the eDLT. If selected, it offers the control of up to five devices on a single page. Time and date can be displayed in standby if desired.

Tri-colour LED indicators shall be available on the eDLT. A set of eight colours can be displayed on the LED indicators showing the ON and OFF state of a device being controlled. The selected colour could be set across the panel. The colour selection includes blue, orange, red, green, white, yellow, cyan or magenta. The LED colour shall also make available to display the state of a device, or change based on the lighting control event.

 The eDLT shall include dual action buttons. These buttons shall provide intuitive control with left and right rocking action. Ease of programming shall also be a feature for these buttons. Key functions shall include: up/down control for lighting level/audio/motorised blinds/fan speed, scene cycling and page navigation.

Standby page could be established easily on the eDLT switch and made available after a period of inactivity. Measurement information, time or date could be displayed on this page.

The eDLT shall include a proximity sensor that can be programmed to wake up the eDLT from standby. This shall activate when a user's hand is within 5cm of the screen. Upon the eDLT waking up, it could bring up the last used page, a predefined page or even trigger a lighting event or scene.

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An extended character set shall also be available on the eDLT for multi language support.

The local control panel shall include a mini USB port on the rear of the unit enabling the installer to update firmware directly to the unit. The unit shall be programmable through the lighting control system network, using PC based configuration software.

During installation, the eDLT shall be attached to the wall mounted mounting plate with magnets that are embedded into the body of the eDLT switch providing a quick and secure installation. The eDLT can be secured to the mounting plate using screws.

Connection to the lighting control system shall be via Cat-5 cable. Terminals shall accommodate 0.2 to 1.3mm^2 wire. Units shall be powered through this connection and draw no more than 32mA of current.

Non Clipsal C-Bus switches or non Clipsal push button switches shall not be accepted as part of the lighting control system.

Units shall be Clipsal C-Bus Saturn eDLT Wall Switch, Catalogue No. **5085EDLB**

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