

## C-Bus MDU's (For Multiple Dwelling Units)

### General

#### Purpose and Overview

The purpose of this document is to specify a lighting control system complete with all dimmers, switches and other control devices, control panels, power supplies, wiring and other equipment necessary to provide a complete and operational installation. The system shall be Clipsal C-Bus which provides free topology incorporating distributed intelligence with unshielded twisted pair (UTP) network cabling between each device.

The system shall be installed in accordance with the C-Bus Platinum program where the manufacturer is responsible for the overall system implementation and project management. The contractor shall engage the manufacturer to provide shop drawings, functional/addressing details, device programming, on site commissioning/verification, as-built documentation and defects liability maintenance. Where high level integration is required, the manufacturer will consult with the relevant third party companies prior to commencement of installation, to review the methodology and confirm responsibility of each party to ensure a functional solution is offered that meets client requirements

The system shall be installed by a contractor who shall be a C-Bus Platinum Partner and who shall be responsible for the overall system implementation and project management. The contractor shall provide shop drawings, functional/addressing details, device programming, on site commissioning/ verification, as-built documentation and defects liability maintenance. Where high level integration is required, the contractor will consult with the relevant third party companies prior to commencement of installation, to review the methodology and confirm responsibility of each party to ensure a functional solution is offered that meets client requirements

#### Documentation

Detailed lighting control system design documentation, shop drawings and test plan shall be produced by the contractor before commencement of installation.

At project completion lighting control system shop drawings shall be provided to the client as hard (printed) copies and software files (in PDF and either DWG or DXF format). These shall be updated to an "as installed" state prior to acceptance and signoff

#### Standards and Compliance

The works shall comply with the requirements of current relevant standards. These include:

- Building Code of Australia
- Australian Standards
- Fire Services Regulations (for the relevant state or territory)
- Electricity provider's regulations and conditions of supply
- Australian Communications Authority Regulations
- Occupational Health and Safety Regulations.