

C-Bus® 30 Mechanism



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The C-Bus 30 Mechanism (30mech) offers the ability to install C-Bus in any style of switchplate, grid or enclosure that currently accommodates Clipsal 30 series mechanisms. Previously, all standard plastic or metal C-Bus switchplates had to be purchased as complete 1, 2 or 4 button units.

The C-Bus 30mech switch is available as either a Master (5031NMML), Master with IR Capability (5031NMMIRL) or Slave (5031NMS) configuration. The required master can accommodate up to 3 slaves. The slaves clip into adjacent 30 series apertures on the gridplate. The master determines which slaves are connected and provides feedback when programming with C-Bus Toolkit configuration software. You can program the slave position at anytime without having the slave physically installed. Later, when you plug it into the master, it will operate. C-Bus Toolkit programming software's Graphical User Interface (GUI) highlights whether a slave is plugged in correctly. This can assist with faultfinding.

The 30mech series includes the latest firmware core and offers all of the features found on the latest C-Bus switches. These features include dual-colour LEDs (blue and/or orange) as well as scene control. The Master IR variant (5031NMMIRL) is compatible with all C-Bus infrared remotes for switchplate control, offering four extra virtual keys that operate with the remote control. Each mechanism comes with several removable button cap options. The mechanisms can be used with or without the pre-printed labels provided with each Master. If you are not using the IR feature, the non-IR button cap can be used to mask the IR receiver. As a security feature, the mechanism must be removed from the plate in order to change or remove the label. This prevents tampering with labels in commercial applications.

A new feature of the 30mech is the C-Bus flylead.

The installed C-Bus network cable end is stripped and terminated into a screw terminal block on the flylead. The other end utilises a plug that connects to the 30mech Master. The flylead takes the C-Bus network cable away from the mechanism, making the connection of devices in confined areas easier.

Using C-Bus flyleads also means a project can be prepared by having all of the necessary holes cut and the cables terminated and ready for the final installation closer to site handover. This gives the installer the ability to install and test the C-Bus Network and then easily disconnect the mechanisms for security reasons.

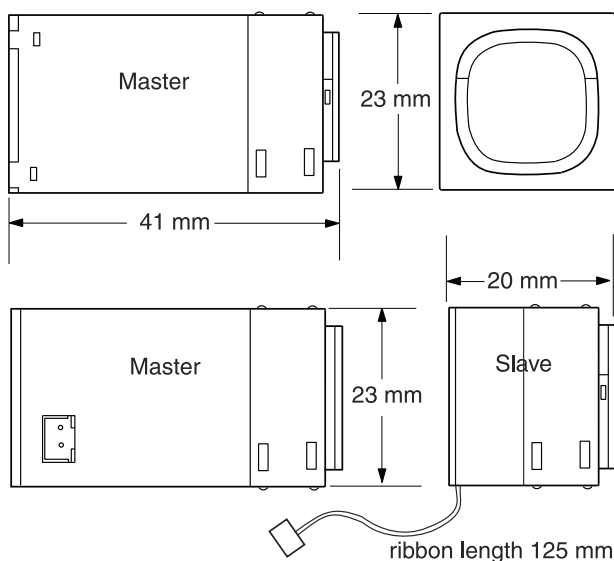
Catalogue Number	Description
5031NMMIRL	IR Capable C-Bus master mechanism for Clipsal 30 series aperture, gridplates and enclosures
5031NMML	C-Bus master mechanism for Clipsal 30 series apertures, gridplates and enclosures
5031NMS	C-Bus slave mechanism for Clipsal 30 series apertures, gridplates and enclosures

Features

- IR or non-IR variants available
- Master/Slave configuration... slaves and masters are available separately
- Scene control
- Up to 8 blocks of virtual switching (IR model)
- Fits 30 series aperture
- Small hole cutout (Master is same size as conventional dimmer mechanism)
- Plug in C-Bus flylead with screw terminal block
- Dual-colour LEDs
- Labeling option
- Optional caps for label, non-label or IR variants

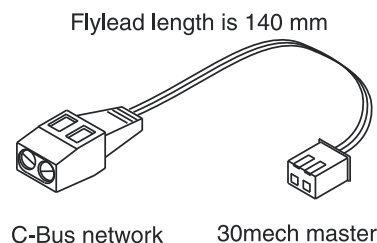
Benefits

- Can be used in architrave configuration
- Can be used in weatherproof plates
- Suitable for multi-gang metal plates
- 1, 2, 3 or 4 gang configuration
- C-Bus connection can be easily removed with plug in flylead
- Can be used in any 30 series plate
- Scene control with or without IR capabilities



Specifications

Parameter	Description
C-Bus supply voltage	15 to 36V d.c. (master only)
Power requirement	18mA. The switch does not provide current to the C-Bus network
C-Bus AC input impedance	100kΩ @ 1kHz
Maximum number of units per network	100
Control functions	Load switching, dimming, timers and scene control
Status indicators	User configurable, orange or blue
Warm up time	5 seconds
C-Bus Connection	Twisted pair, UTP Cat. 5e terminal block plugin flylead
Operating temperature range	0 to 45° C
Operating humidity range	0 to 95% Relative humidity
Protrusion from wall	Depends on grid plate and surround selected
Weight	Master 13 grams Slave 7 grams



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