

Reset Switch

CLIPSAL
INTEGRATED SYSTEMS

Features

- Reduces overall energy use and running costs of lighting in commercial buildings.
- Cost effective for commercial building retrofit applications.
- Cost effective for individual cellular office control.
- Local light switches for user manual control.
- Used in conjunction with central time scheduling via a time clock, Clipsal C-Bus, or an existing Building Management System.



5621FVJ Series

The Clipsal Track 3000 Reset Switch is a retrofitted lighting control product which can be used as part of a basic, cost effective system that can offer significant lighting energy cost savings in existing commercial buildings.

The Clipsal Reset Switches are used in conjunction with wall mounted local light switches (momentary 'Bell Press' type) and a centrally located lighting control panel, without the need for any extensive rewiring of existing lighting circuits. Lighting groups controlled via a Clipsal Reset Switch (in a cellular office, for example) can be automatically switched OFF via the central control panel and manually controlled ON or OFF via the local light switch.

This control philosophy of manual switch ON in local work areas of a commercial building (rather than a blanket automatic switch ON early in the morning) combined with automatic, central switch OFF after normal working hours can achieve significant energy cost savings by ensuring that lighting is only ON when needed. The Reset Switches will ensure that all lights in unoccupied offices are turned off every night. Extra 'OFF pulses' often follow the initial after hours OFF pulse at (say) 2 hour intervals.

If required, lighting can be sequenced OFF in stages via the reset switches. This ensures occupants are warned of imminent shutdown of the lighting system, so they can then switch the local lighting back ON again, as required.

Lights can be manually turned ON or OFF at all times. The Reset Switch simply ensures that lighting is turned off each night. There is no interruption during normal working hours.

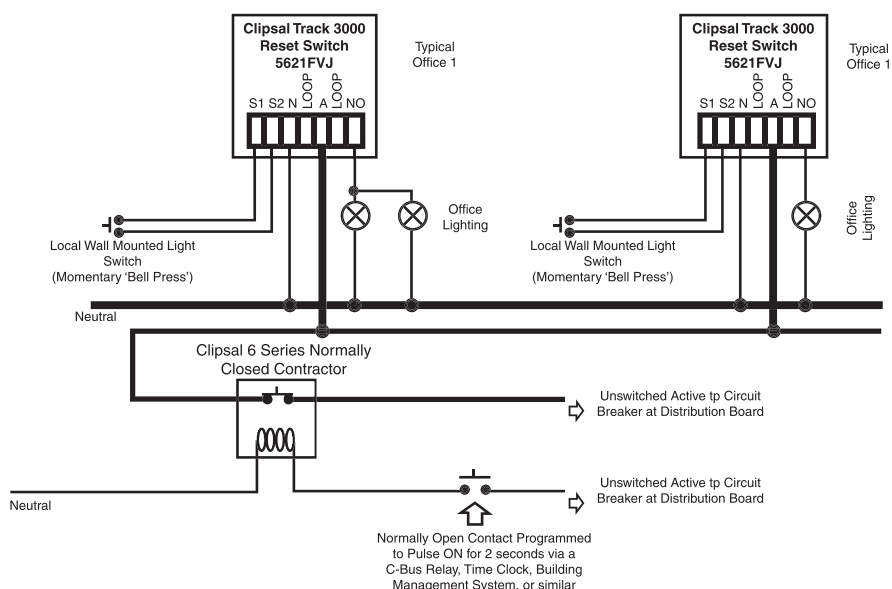
Clipsal Reset Switches, usually mounted in the ceiling space with Clipsal 413 or 414 sockets, incorporate an electronic circuit which switches small groups of light fittings OFF when the 240Vac supply to a lighting circuit is switched OFF and back ON again over a short period of time (say, two seconds). This 'OFF pulse' sets lighting to the OFF state until users turn the lighting in their vicinity back ON again from their local press light switch.

The central, time-based control of lighting circuits for after hours automatic switch OFF, can be provided by an existing Building Management System, Clipsal C-Bus System, a time clock, or any controller which can provide a two second on/off pulse. The type of time-based, central control required will vary according to the specific application.

clipsal.com/cis

CLIPSAL
IBS Intelligent Building Series™

Typical Connection Diagram



Terminal Description

Terminal	Description
A	Unswitched Active.
N	Neutral input terminal.
LOOP	Spare terminal, voltage free.
S1 & S2	Input terminals for remote momentary action switch override.
N.O.	Normally Open output terminal. Mains is disconnected from this terminal after the system is reset.

Product Typical Specifications at 25°C ± 5°C

Supply Frequency	50Hz
Nominal Supply Voltage	220 / 240Vac
Maximum Load Current	6A Incandescent, Inductive, or Fluorescent lighting loads
Contact Switching Arrangement	Switched Active N.O.
Switched Active Input - Minimum Off Time to Reset	2 seconds
Minimum Switch Close Time Required	100ms
Maximum Switch and Cable Resistance	1000
Mains Terminals	Accommodates 2 x 2.5mm ² solid or 1 x 4mm ² stranded cable
Weight	35g
Dimensions (LxWxD)	96 x 69 x 46mm
Operating Temperature	0 – 45°C
Operating Humidity	10 – 95% RH

Head Office

12 Park Terrace, Bowden,
South Australia 5007
Telephone (08) 8269 0560
International +61 8 8269 0560
Facsimile (08) 8346 0845
International +61 8 8346 0845
E-Mail cis@clipsal.com.au
Internet clipsal.com/cis

International Enquiries

Head Office Export Department

Telephone +61 8 8269 0587
Facsimile +61 8 8340 7350
E-Mail export@clipsal.com.au
Internet clipsal.com

New Zealand

Clipsal Industries (NZ) Ltd
Telephone +64 9 576 3403

Malaysia

Clipsal Integrated Systems Sbn Bhd
Telephone + 60 3 7665 3555

Singapore

Clipsal Integrated Systems Pte Ltd
Telephone +65 266 1998

Hong Kong

Clipsal Integrated Systems (HK) Limited
Telephone +852 2 487 0261

China

Clipsal China Limited
Telephone +86 755 246 1122

Taiwan

Clipsal (Taiwan) Co Ltd
Telephone +886 2 2558 3456

Thailand

Clipsal Thailand Ltd
Telephone +66 2 952 5338

South Africa

Clipsal South Africa (Pty) Ltd
Telephone +27 11 314 5200

United Kingdom

Clipsal Ltd (UK)
Telephone +44 1494 521 111

Greece

Clipsal Hellas S.A.
Telephone +30 1 0993 9165