

# Series 3000 (Dimming) Dimmer Switch - Kits

Benefits of using a Series 3000 Dimmer Switch Kit instead of traditional mains switching/dimming?

• **Versatility**

Retractive switching is ideal for multiple switch points, and as leads simply plug-in you can add more Switch Drops at any stage, even adding occupancy or light level sensing.

• **Cost**

Apart from terminating the switch, everything else plugs together saving valuable installation time. Also compared to the cost of traditional mains cable our Switch Drops can often prove to be a more cost effective alternative.

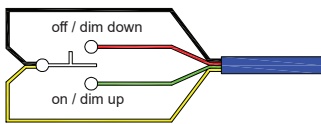
• **Safety**

All flex7 controls operate at PELV (protected extra low voltage) so using our switch drops, unlike mains switching, means that cables can be set at any depth within the wall, will not require enclosing in an earthed metallic covering nor will the circuit require the added protection of an RCD for that purpose. (see IET Wiring Regulations 17th Edition BS7671: 2008 incorporating Amendment No 1: 2011).



## Switching Options

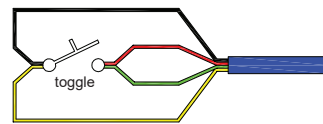
**Option 1** - requires a 3-position, centre return, retractive switch



**Operation:**

- **A short ON pulse** (<0.5 secs) turns the lights on (to last dimmed level)
- **A short OFF pulse** (<0.5 secs) turns the lights off
- **A long ON pulse** (>0.5 secs) brightens the lights (eventually to maximum)
- **A long OFF pulse** (>0.5 secs) dims the lights (to the minimum operating range of the ballast)

**Option 2** - requires a 1-way, retractive switch

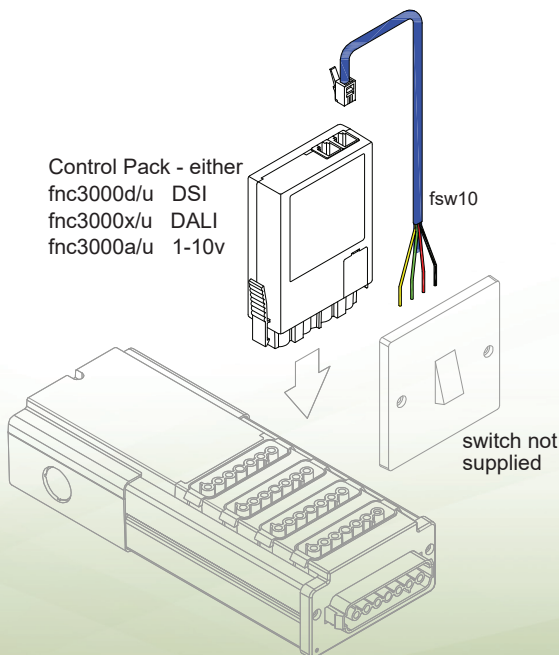


**Operation:**

- **A short pulse** (<0.5 secs) toggles the lights on or off (when turning on, lights adopt the last dimmed level)
- **A long pulse** (<0.5 secs) alternates from brightening the lights to dimming the lights with each consecutive long pulse. Note that lights can only dim down to the minimum operating range of the ballast.
- **A prolonged pulse** (>15 secs) \*synchronizes the lights to off.

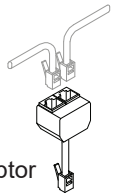
**Notes:**

Wherever possible option 1 switching is to be recommended as it is considered more intuitive for dimming. It is also an ideal choice if switches are commoned up to more than one control pack so that they can operate together - using option 2 switching in this instance can lead to the lights going out of sync\*.



Retractive switching is ideal for multiple switch points. Just plug in any additional Switch Drop/s alongside the existing using our standard 'Y' adaptors.

fsy/a  
'Y' adaptor



### Technical Details

Control Pack Supply voltage: 230V~ 50hz  
Load rating at 230V~ : 6A max  
Max no. of ballasts: 25 (all versions)

[Further technical details - page 57](#)

### Ordering flex7 Series 3000 - Dimmer Switch Kits

d	DSI	must be appropriate for the type of ballast
x	DALI	
a	1-10v	

  
 fns3000   /u