# Series 3000 (Dimming) Universal Sensor - Kits

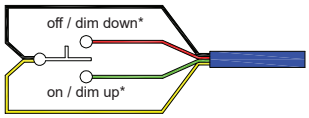
With the addition of a Switch Drop Lead to the kit comes a whole new level of control. Configure for occupancy or absence type control simply by choosing the right switch and terminating it appropriately. For optimum control we recommend configuring for absence, in particular because the retractive switch provides the option for manual dimming, as well as all the other benefits usually associated with absence sensing.

Employing retractive switching means that more Switch Drops can be plugged-in at any stage to provide multiple switching points.

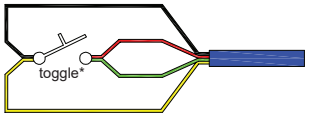
Universal Sensors Kits are available with either DSI, DALI or 1-10v (analogue) dimming outputs and with or without daylight linking. For details relating to detection range, use of Slave Heads or Remote Controls please refer to Occupancy Sensor Kits on the previous page.

## Absence type control

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




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



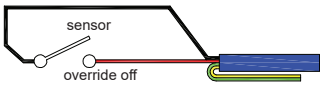

*Short pulses switch the lights on/off. Long pulses dim up/down.

**Operation:**

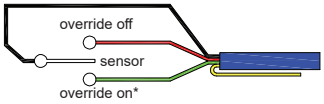
- Lights do not turn on with presence and instead need to be switched on. Lights can be dimmed up or down at the switch or turned off at any time but if left on, will switch off after absence has been detected for a period equal to the timeout period (set at point of installation).
- In the daylight linking version, the lights adjust to compensate for any changes in ambient light, to maintain a constant light level under the sensor head - the target level (set at point of installation). Note that dimming at the switch temporarily disables daylight linking (reset by any short switch pulse)

## Occupancy type control

**Option 3** - Requires a 1-way, *latched* switch




**Option 4** - Requires a 3-postition, centre off, *latched* switch

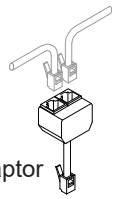



Fold back and insulate unwanted cores.

**Operation:**

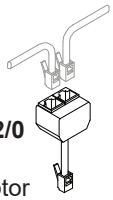
- While the switch is open (sensor position), the lights will switch on when presence is detected and off if absence is detected for a period equal to the timeout period (set at point of installation).
- In the daylight linking version, the lights adjust to compensate for any changes in ambient light, to maintain a constant light level under the sensor head - the target level (set at point of installation).
- Override off (or on) takes priority (override on = full bright).

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



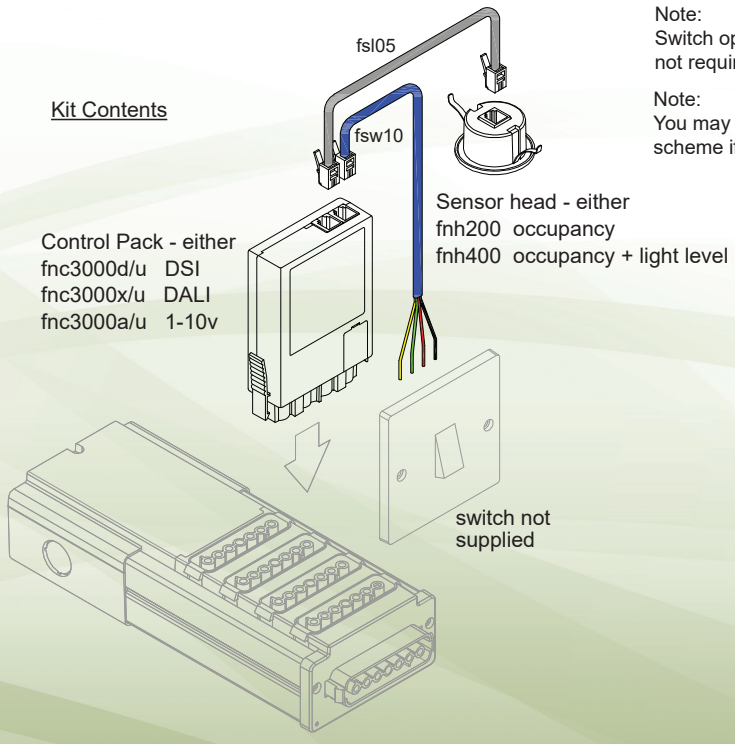
**fsy/a**
'Y' adaptor

A special adaptor is available for 2-way switching of override off. Special switch wiring instructions are included with the adaptor.



**fsy/2e/2/0**
special
'Y' adaptor

Kit Contents




Note:
Switch option 1 is considered the best option for manual dimming. If manual dimming is not required (can be disabled using Setup Remote Control) we recommend option 2.

Note:
You may not be able to claim enhanced capital allowances under the carbon trust scheme if your switching arrangement incorporates override on (switch option 4)

### 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 - Universal Sensor Kits

D/L = Daylight linking

| | |
|---|---|
| **200** | without D/L |
| **400** | with D/L |

| | |
|---|---|
| **d** | DSI |
| **x** | DALI |
| **a** | 1-10v |

must be appropriate for the type of ballast

**fns3** ☐ ☐ **/u**

*Do you need a *setup* remote control? See previous page