

# flex 7 Value Low Voltage Switch Units

**F**lex Connectors' range of plug-in low voltage switch units, part of the flex 7 Value lighting controls range, has a unique feature which can save contractors considerable time and money now that the 17th Edition Wiring Regulations have come into effect.

The switch units, in common with flex 7 absence / presence sensors, have a 12v AC PELV rated switch connector, allowing one or more switches to be connected without the switch drops needing supplementary mechanical protection or the need for a Residual Current Device (RCD) – the 17th Edition Wiring Regulations (BS7671 2008) allows PELV devices even within zone 0.



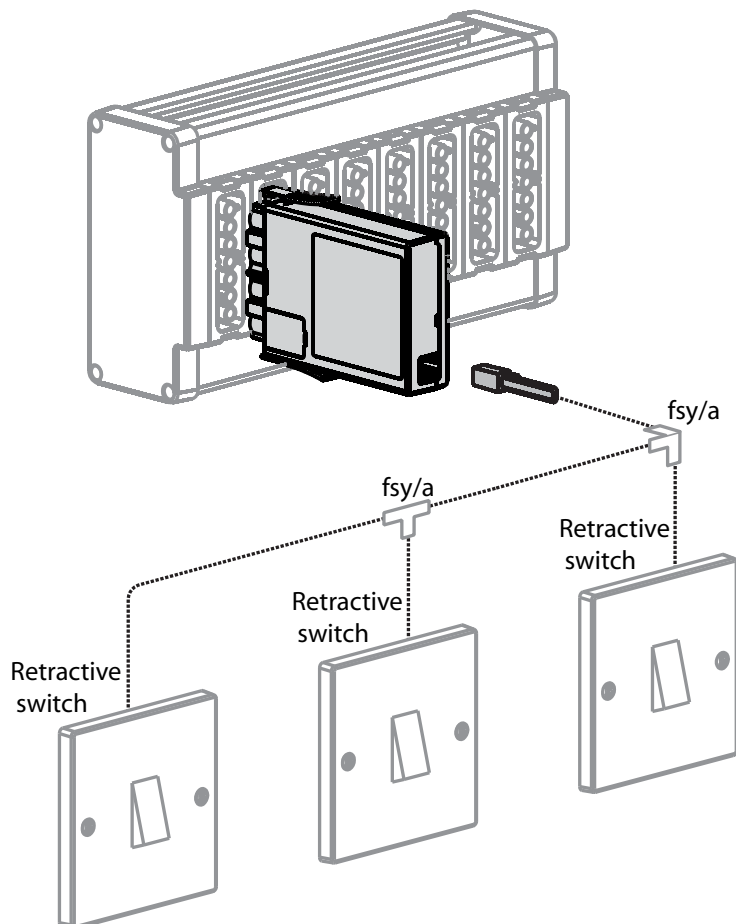
Two types of switch are available:

- an **ON / OFF** switch kit (**fns1000**) which can be wired for use with either latching or retractive switches;
- and a **DIMMING** switch kit (**fns3000**) for use with retractive switches, available in 0 – 10V, DSI or DALI versions.

Value switches, like all flex 7 control devices, plug-in to flex 7 sockets, connection units or extender leads. They are supplied as kits with a control pack and a plug-in 10m switch drop lead. Leads of up to 50m in length are available and multiple leads can be connected to the control packs using 'Y' connectors.

The supply for the switch drop is derived from an isolating transformer and, unlike some manufacturers' switches and sensors, is also isolated from the luminaire ballasts, which are often not PELV rated.

We recommend that retractive switches are used when multiple switch drops are to be connected. However, special 'Y' connectors are available for two-way and for intermediate switching, should latching switches be specified.



Using multiple switches with a flex 7 switch unit

Flex Connectors Ltd  
Unit 8 The Gate Centre  
Syon Gate Way  
Brentford  
Middlesex TW8 9DD

Tel:020 8580 1066 Fax:020 8580 1062

email:info@flexconnectors.co.uk www.flexconnectors.co.uk

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