

Slimline	S1261 and S1262	LED Dimmer Switch 1g and 2g
Decorative	1957 and 1958	LED Dimmer Switch 1g and 2g
Flatplate	8125 and 8126	LED Dimmer Switch 1g and 2g

To be read in full before installation and kept for future reference

Dimmer Features	Batch Number
<ul style="list-style-type: none"> This LED dimmer is designed to control the DETA range of Fire Rated Dimmable LED Downlights Other LED lamps – this dimmer can control other makes of LED lamps, although the dimmer Mode may need to be changed Other loads types – this dimmer can control other load types, e.g. tungsten halogen, incandescent, low voltage electronic transformers Push on / Push off control for ease of operation Dimmer beeps at both minimum and maximum settings Suitable for 1way and 2 way switching using a push to make switch Soft Start to increase lamp life, particularly for MV and LM lamps EPROM Chip, unit retains dimmer setting when power is switched off Overload Protection – this dimmer has built in overload protection which will automatically turn off the lamp until the overload is removed (dimmer needs to be switched off and then on again to reset) 	<p>Please record the batch number printed on the side of the module on the back of the product. The batch number is in the form ##Y## A#.</p> <p style="text-align: center;">BATCH N°: _____ Y _____ A _____</p> <p>This will assist us in providing any technical support you may require.</p>
Safety Instructions	Installation Instructions
<ul style="list-style-type: none"> Read these instructions carefully. Incorrect installation may damage the dimmer beyond repair. Always switch off the electrical supply before commencing installation. If the dimmer is to be used to control tungsten halogen lamps, de-rate the dimmer to 75% of the maximum load. Metal mounting boxes must be earthed. Do not overload the dimmer – this may damage the dimmer beyond repair. When controlling the load from two positions, it is only possible to have one dimmer switch. The other needs to be a push to make or retractive switch. Ensure that the mounting box is at least 25mm deep. Use only on an electricity supply of 220-240 volts AC. If using in Leading Edge mode, de-rate the dimmer to 75W max. due to some lamps having a high inrush current This dimmer switch must be installed in accordance with the current edition of the IEE Wiring Regulations. <p>If in doubt, contact a qualified electrician.</p> <p>IMPORTANT: Read "Loading Advice" section overleaf before installing this dimmer switch.</p>	<ol style="list-style-type: none"> Switch off the mains supply before commencing the installation. If removing the existing switch, disconnect the wiring from the switch terminals at the rear and take note of the present wiring of the switch and the marking on the terminals. Ensure that any mounting box is free of plaster lumps or projecting screw heads. Most models can be fitted into a box with a minimum depth of 25mm. These dimmer switches can be installed in boxes with two mounting lugs only. Other mounting lugs need to be removed or bent flat. Terminate the dimmer switch in accordance with the diagrams in the Wiring Instructions section. Take care that no bare wires project out of the terminals. Keep wires together in a terminal if they were together in your old switch. Dimmer switches having a metal front plate must be earthed by means of the earthing point on the dimmer. After connecting the wires screw the dimmer switch gently into the wall box so that the front plate is not distort or crack. Do not trap the wiring between the rear of the dimmer and the back of the wall box. Once installation is complete, switch on the mains supply. When switching on the dimmer for the first time it will go through a set up procedure. The dimmer will beep when the procedure finishes.
Wiring Instructions – Typical Lighting Circuits	
<p>This dimmer switch is suitable for 1-way or 2-way lighting circuits. There are three terminals per module.</p>	
<p>1 way Circuits In 1-way lighting circuits each lamp is controlled by one dimmer switch. Follow the wiring in Figure 1.</p>	
<p>2 way Circuits 2-way lighting circuits have two switches turning the same lamps on and off from two different locations (eg. at the top and bottom of the stairs), however only one of these can be a dimmer switch, the other must be a push to make or retractive switch. Follow the wiring in Figure 2.</p>	
Dimmer Operation	
<ul style="list-style-type: none"> For switching on and off, push on/push off the dimmer control The dimmer will beep at maximum brightness The dimmer will beep at minimum brightness <p><i>Operation from switch when 2way switching</i></p> <ul style="list-style-type: none"> Operating the push to make switch will switch on light on or off For dimming, press and hold switch for cycle dimming 	

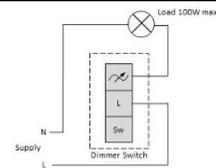


Figure 1.

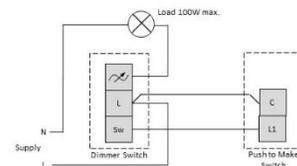


Figure 2.

Optimising the Performance of Your Dimmer Switch	
<p>This dimmer switch is preset for optimum control of Deta LED Dimmable Fire Rated Downlights.</p> <p>It is possible, however, to change the dimming mode to optimize its control of other LED dimmable lamps and load types and to prevent the lights from flickering. To change the dimming mode, see “<i>Changing the Dimmer Mode</i>” below.</p>	<p>Additionally, the minimum brightness setting of the dimmer can be adjusted to achieve the optimum dimming range for a particular load as below. See “<i>Adjusting the Minimum Brightness</i>” below.</p> <p>You may also need to refer to these instructions if you change your lights to a different type at a later date so please keep them for reference.</p>
Programming the Dimmer	
<p>To optimise control, the software within this dimmer can be set either to Trailing Edge or Leading Edge mode.</p> <p>Trailing Edge This versatile mode is suitable for most types of lighting, including many dimmable LED lamps. It is also gentler on the load.</p> <p>Leading Edge. Leading edge control. Some other lighting loads, including some types of LED, perform best with this type of control.</p> <ul style="list-style-type: none"> The dimmer is factory set to trailing edge mode. <p><u>Determine which mode the dimmer is in</u> At initial power switch on:</p> <ul style="list-style-type: none"> If the lamp goes to maximum brightness and then goes OFF after long beep, i.e. ON – OFF after long beep, the dimmer is in Trailing Edge mode (TE mode) Switch the dimmer on, if the lamp goes to maximum brightness, then goes off and then goes ON again to maximum brightness then return to OFF again followed by 3 short beeps, i.e. ON – OFF – ON – OFF – three short beeps, the dimmer is in Leading Edge mode (LE mode) <p>The dimmer will remain in the set mode when the power supply is switched off at the circuit breaker.</p>	<p><u>Changing the Dimmer Mode</u></p> <ul style="list-style-type: none"> Switch on the power supply at the circuit breaker. Push the control switching the lamp ON and turn to minimum – unit beeps. Then push and hold the knob for over 3 seconds. The lamp will turn OFF and automatically ON & OFF. This unit will also BEEP to signify the new mode: One long beep TE mode OR 3 short beeps for LE mode. <p><i>Note: changing the mode will lose the minimum brightness setting</i></p> <p><u>Adjusting the Minimum Brightness</u></p> <ul style="list-style-type: none"> Ensure the lamp OFF (unit must have been powered on at least once) Push and hold the control for three seconds, the unit will beep – release the control. The lamp will light and auto dims up to max. level & down to min. Adjust the control to the desired minimum brightness. Push the knob OFF, this will store the minimum level and exit the program mode. When exiting the set up procedure, the lamp will auto dim up to max. level and dim down to off, completing the setting procedure. <p><i>Note: failure to turn unit off and complete the process will cause the unit to revert to previous setting. This will happen automatically after 10seconds of inactivity</i></p>
Dimmable LED Lamps	Compatibility and Loading Advice
<p>The recommended minimum load per gang is 5W. Always choose LEDs that are “dimmable” and for the best performance choose dimmable LEDs from established brands. We cannot guarantee that all LEDs labelled as “dimmable” can actually be dimmed satisfactorily.</p> <p>Maximum and minimum loads will vary according to make and type of LED. If in doubt, use 2 to 10 lamps per gang (or 100W, whichever is lower).</p> <p>The dimming performance of dimmable LEDs may be improved by following the steps outlined above under the heading “<i>Changing the Dimmer Mode</i>”.</p>	<p>Always use the same brand and wattage of LED lamp on each circuit. Ideally, when replacing LED lamps, use the same brand and wattage</p> <p><i>This Dimmer Switch is suitable for:</i></p> <ul style="list-style-type: none"> Most dimmable LEDs [see “<i>Dimmable LED Lamps</i>” box] Mains voltage incandescent, GLS or candle-shaped bulbs GU10 or similar good quality mains halogen bulbs <p><i>This Dimmer Switch is not suitable for:</i></p> <ul style="list-style-type: none"> Fluorescent bulbs and tubes Wire-wound or toroidal transformers Electric motors

Specification

Load Type:	Power Rating per Module:	Voltage	220 – 240V ac 50Hz
<ul style="list-style-type: none"> LED Mains Tungsten Halogen Incandescent and ECO Halogen 	5-100W 20-100W 20-100W	Compliance	BS EN 60669-2-1
		Back Box (recommended)	25mm for 1g dimmers 35mm for 2g dimmers