



**MUST BE INSTALLED
BY A LICENSED
ELECTRICIAN**

IMPORTANT: IN THE INTEREST OF PRODUCT PERFORMANCE AND SAFETY PLEASE READ THESE INSTALLATION AND WARRANTY INSTRUCTIONS BEFORE INSTALLING THE PRODUCT. SAL products are designed in accordance with all mandatory International and Australian Standards, which require installation by a qualified installer and regular cleaning and maintenance of the equipment. Products are sold in accordance with the following instructions and SAL standard terms and conditions of sale, which are available via www.sal.net.au.

PIXIE S2W/BT – Digital Multi Way Push Button Switch product electrical and installation specification effective 1/06/2018.

Model No.	Input (V)/(Hz)	Min/Max loads (W)	Colour	Dimension L x W x H (mm)
S2W/BT	240/50	350	White	50 x 22 x 22
Operating ambient min/max (°C)	0 ~ 40		Storage humidity	+10% to 85% RH, NC
Operating humidity	+10% to 85% RH, NC		Product installation orientation	horizontal wall mount
Product application	Interior residential, commercial		Pixie connectivity	Yes
IP rating	20		Attachment type	NA
Storage ambient limit (°C)	0 to 60		Dimmable	(refer instructions)
IP rating for interior products: The designated IP rating is “from below the ceiling” unless otherwise specified.				
IP rating ALL products: Termination of the product must be made in accordance with the IP rating.				

General product application requirements:

- Recycling:** SAL encourages recycling, please consider the environment when disposing of packaging & components.
- Switching or test intervals:** For optimum product performance, good design practice does not encourage 24/7 operation of lighting products without the provision of a routine switching or regulatory test cycle. As a guide for continual operation installations, a twelve (12) hour duration for Industrial and Commercial applications and a six (6) hour duration for Residential applications should be considered.
- Product maintenance:** In line with the relevant design standards and to protect your investment, it is important to have in place a routine cleaning program that reflects the installation environment and maintains the product in a clean and functional condition.

IMPORTANT - The supply must be isolated before any product maintenance or cleaning is conducted. In addition, damage to ANY cable or cord supplied with the product must be addressed as follows; For attachment type X having a specially prepared cable, if the external flexible cable is damaged, it must be replaced by an equivalent cable exclusively available from the manufacturer or authorised installer. For attachment type Y, if the external flexible cable is damaged, it must be exclusively replaced by an equivalent cable by the manufacturer or authorised installer. For attachment type Z, if the external flexible cable is damaged, the cable cannot be replaced and the luminaire must be destroyed.

- Adverse, corrosive and coastal installation environments:** Unless the product is specifically designated for such applications in these installation instructions, which is supported by a professional maintenance program; installation of equipment in such environments is not recommended.
- Dimming products:** Dimming circuits and product compatibility must be validated by the installer before installation; SAL cannot be responsible for third party changes in dimmer compatibility.
- Suspended products:** For installation safety, any suspended products must NOT be installed in high air movement spaces or locations subject to impact.
- Light source replacements:** (non-replaceable light sources) - The light source of the product is deemed not replaceable, when the product reaches its end of life, the complete product must be replaced by a qualified installer. (non-user replaceable light sources) - The light source of the product must only be replaced by the manufacturer or qualified installer. Caution, risk of electric shock.
- Interior downlights and sensors with remote drivers:** The mounting facilities provided for the transformer/driver (if any), need only be utilized if in the application of the product is required by AS3000. Drivers are not designed for installation environments that restrict conventional airflow.

9. Specific installation procedures:

PIXIE S2W/BT features - Over temperature protection, -Short circuit protection, Complies with Australian and New Zealand standard: AS/NZS 60669.2.1, LED indicator illuminates when the button is pushed,

IMPORTANT - This product must be used with the PIXIE smart dimmer (SDD350BT) or PIXIE smart switch (SWL350BT), Maximum 3-way control is achievable. The Active terminals are bridged to allow Active looping and ease of installation.

Technical Specification, Wireless: Bluetooth Low Energy Technology. PIXIE App communication: Designated PIXIE products should be Firmware 4.7 or above. User can use latest PIXIE app to update firmware via their communication devices.

IMPORTANT - Distance from SDD350BT/SWL350BT: Max 15 metres.

Load requirement

When S2W/BT use with	Min. Load Requirement	Max. Load Requirement
SDD350BT	10W	Refer to SDD350BT, SWL350BT instructions
SWL350BT	20W	Refer to SDD350BT, SWL350BT instructions

Fig. 1: PIXIE new Installation two-way dimming / switching - Note: SDD350BT/SWL350BT and S2W/BT are simply wired in parallel

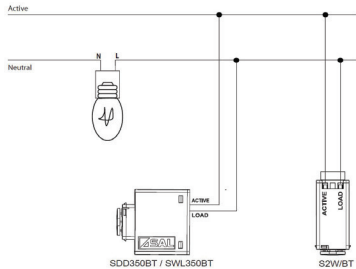


Fig. 2: Replacing an existing two-way switching with two-way dimming / switching - Example of a traditional two-way switching circuit

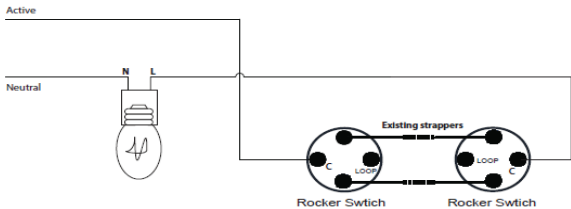


Fig. 2A: PIXIE replacement of a two-way dimming / switching circuit - Rocker switches are replaced with SDD350BT/SWL350BT and S2W/BT using existing strap wires, NOTE - no new wiring is required.

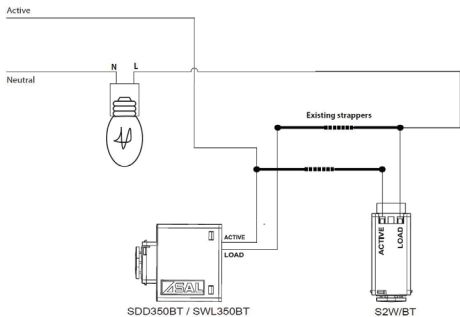


Fig 3: PIXIE new installation – Three-way dimming / switching circuit

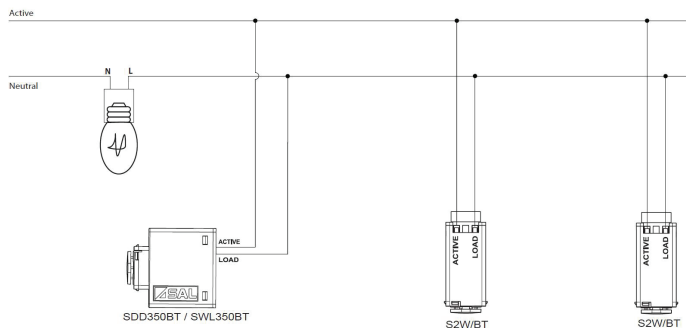


Fig 4: Replace existing three-way switching with two-way dimming / switching circuit – example of traditional three-way switching circuit.

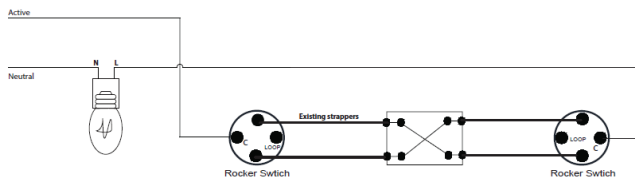
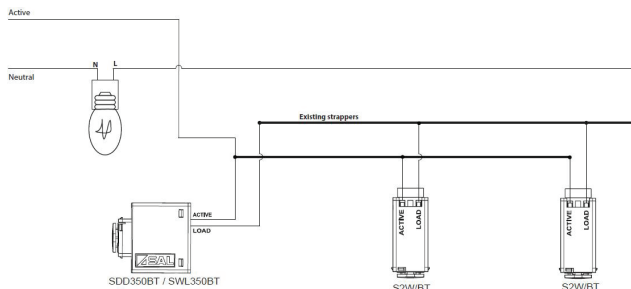


Fig 4A: PIXIE replacement three-way dimming / switching circuit - Rocker switches are replaced with SDD350BT/SWL350BT and S2W/BT using existing strap wires. NOTE - no new wiring is required.

IMPORTANT - Maximum of two S2W/BT can be connected to SDD350BT/SWL350BT. The distance between SDD350BT/SWL350BT with each S2W/BT must not exceed 15 metres.



PIXIE Pairing – IMPORTANT, to complete the installation, once the system is energised the installed devices must be PAIRED.

Step 1: Make sure the light is turned off. Quickly click the button of SDD350BT/SWL350BT 4 times to enter pairing mode. In pairing mode, LED indicator of SDD350BT/SWL350BT quickly flashes blue and white, and this mode lasts 30 seconds.

Step 2: Quickly click the button of S2W/BT 4 times within 30 seconds. Then S2W/BT will pair with SDD350BT/SWL350BT. When the LED indicator of S2W/BT flash twice and then stay lit for 2 seconds, pairing is successfully set.

NOTE: If the paired SDD350BT/SWL350BT changes HOME setup in the PIXIE app or reset to factory, the pairing process will need to be repeated.

Operations	Paired with SDD350BT	Paired with SWL350BT
Turn ON/OFF	A quick click on the button will turn the light on or off When turning the light on, it will work on the last used brightness setting	A quick click on the button will turn the light on or off
Dimming	When the light is on, long press the button to dim up or down, release the button to stop	
Short cut to max. brightness	When the light is on, double click to directly set light to maximum brightness. When the light is off, double click to directly set light to maximum brightness.	
Change colour temperature (S9841 downlight only)	Triple click to switch to the next colour temperature (CCT)	

Device features:

1. To initiate a **factory reset for the device**, quickly click the button 9 x times, the LED indicator will flash 3 times and then stay lit for 2 seconds if successful

10. Warranty: In accordance with SAL's standard terms and conditions of sale, SAL warrant this product to be free from defects in materials and or workmanship for a period as stated below for goods not subject to incorrect installation, maintenance, operation, mishandling, environmental, unauthorised modifications or electrical operating conditions outside the nominated product specification as detailed in these installation instructions. The benefits to you given by this warranty are in addition to other rights and remedies you have under law. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Warranty term: Twelve (12) months from date of purchase.

How to make a claim?

Step # 1 – Within 30 days of the fault discovery, please contact the original place of the SAL product purchase during standard (local) business hours, with the following information **(a)** proof of purchase **(b)** description and quantity of the claimed fault **(c)** address of installation **(d)** operating hours of the product.

Step # 2 – It is then the responsibility of the original place of product purchase to report the matter to SAL after sales;

NSW | ACT | QLD – SAL Pty Ltd 40 Biloela Street Villawood NSW 2163 | P # 02 9723 3099

VICT | TAS | SA | NT | WA – SAL Pty Ltd 46-48 Keys Road Moorabbin Victoria 3189 | P # 03 9532 3168

Step # 3 – Upon review of your claim and if the product is required to be returned to SAL for technical evaluation, then at the owners expense the product must be returned to SAL as per the above nominated locations.

Step # 4 – Pending the evaluation, the claim will be validated resulting in the product being repaired or replaced with the same or best equivalent product at the discretion of SAL, or rejected if the product fault was found to be caused by conditions beyond the responsibility

of SAL warranty obligations. Consideration of installation, product removal, return freight and or testing fees are not the responsibility of SAL.

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