

# WORKZONE®



## STEPS SMART LADDER STABILITY SENSOR

### USER MANUAL

AFTER SALES SUPPORT



AUS

1300 663 907



customercare@winplus.com.au

MODEL: DY160121, 06/2019, 56434





**WORKZONE®**

**STEP SMART LADDER STABILITY SENSOR**

# Warranty Details

REGISTER YOUR PURCHASE AT [www.aldi.com.au/en/about-aldi/product-registration/](http://www.aldi.com.au/en/about-aldi/product-registration/) TO KEEP UP-TO-DATE WITH IMPORTANT PRODUCT INFORMATION

The product is guaranteed to be free from defects in workmanship and parts for a period of 12 months from the date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Competition and Consumer Act 2010 and similar state and territory laws.

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 for 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.



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**Model Number** DY160121

# Welcome

Congratulations on choosing to buy a WORKZONE® product. By doing so you now have the assurance and peace of mind that comes with purchasing a product made by one of the leading manufacturers. All products brought to you by WORKZONE® are manufactured to the highest standards of performance and safety and, as part of our philosophy of customer service and satisfaction, are backed by our comprehensive 1 year warranty. We hope you will enjoy using your purchase for many years to come.

## General Safety Instructions

Read this manual thoroughly before first use and keep it in a safe place for future reference, along with the warranty card, purchase receipt and carton.

**Follow all instructions and take notice of all warnings to reduce the risk of fire or electric shock.**

- Carefully follow all instructions for assembly and mounting
- The device contains no serviceable parts. Opening the product will void your warranty (aside from battery compartment)
- Take care of the device, rough use and mistreatment may affect electronic components
- Always exercise caution when operating any electronic device
- Keep away from liquids, oils, petrol, and all chemicals
- Turn off when not in use
- Supervise young children to ensure they do not play with the product
- This product is intended for domestic use only, and is not intended for commercial, industrial or trade use

### IMPORTANT NOTE:

The product is a warning device only, it will alarm and notify you if your ladder moves, it will not:

- Prevent falling from a ladder
- Ensure proper use of a ladder
- Detect faults or any damage to a ladder
- Provide any stability to a ladder

The device can only take accurate readings if set up correctly, so ensure you read the instructions in full before use.

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Model Number DY160121

# Pack Contents

- 1 x Step Smart Ladder Stability Sensor Unit (assembled with mounting bracket)
- 3 x AA Activ Energy Batteries
- 1 x Instruction Manual (Not Shown)
- 1 x Getting Started Guide (Not Shown)
- 1 x Warranty Card (Not Shown)



## Features

- Universal application - fits to most ladders
- Telescopic mounting bracket with rubberised grip ends
- Precision sensors detect changes in angle of ladder
- LED display with warning lights
- Audible alarm to alert you when the ladder angle changes
- Durable aluminum housing

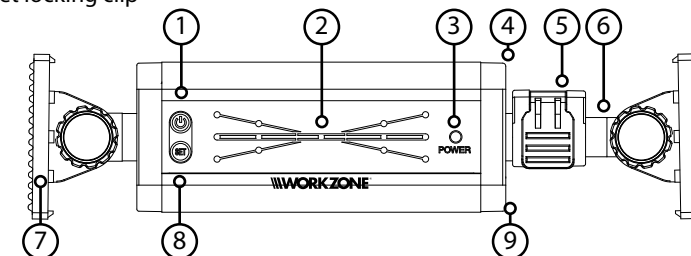
## Technical Specifications

**Voltage:** 4.5V (3x1.5V AA) DC

**Dimension:** 325 x 78 x 55mm (with bracket)

## Product Overview

1. ON/OFF button
2. LED level indicators
3. Power indicator
4. Battery cover
5. Bracket locking clip\*
6. Telescopic bracket and adjustable pole
7. Mounting feet
8. SET level button
9. Speaker



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\*Bracket has been reversed for illustrative purposes

Model Number DY160121

# Before First Use

## Instructions

- Unpack your Step Smart Ladder Stability Sensor device and check that you have received all the components according to Pack Contents on page 5
- Remove any packaging material and promotional labels before using your Step Smart Ladder Stability Sensor device for the first time
- Plastic wrapping can be a suffocation hazard for babies and young children, so ensure all packaging materials are out of their reach and disposed of safely
- Ensure you have read and understood all instructions and warnings in this manual before use. Refer to the Product Overview on page 10 to familiarize yourself with the product and identify all parts

## Insert Batteries

1. Unscrew the battery cover, and insert the batteries (provided), noting the polarity marked on the back of the device

**WARNING:** Do not mix old and new batteries. Do not mix Alkaline, Standard (Carbon - Zinc), Or Rechargeable (Nickel - Cadmium) batteries

- Non-rechargeable batteries are not to be recharged
  - Rechargeable batteries are to be removed from the appliance before being charged
  - Batteries are to be inserted with the correct polarity
  - Exhausted batteries are to be removed from the appliance and safely disposed of
  - If the appliance is to be stored unused for a long period, the batteries should be removed
  - The supply terminals are not to be short-circuited
2. Screw the battery cover back into place
  3. Press the Power button to check that you have installed the batteries correctly; the LED's will light up and begin flashing. Turn OFF by holding down the Power button once you have confirmed the batteries are installed correctly. There will be three short beeps

# Basic Ladder Safety

## IMPORTANT NOTE:

- Always refer to the product manual or instructions provided with your ladder
- The Step Smart Ladder Stability Sensor is a warning device only. It does not replace general ladder safety and should only be used in conjunction with safe ladder use
- Correct mounting and Set Up is an integral part of using the Step Smart Ladder Stability Sensor device

## General Ladder Safety

### Setting up your ladder

- Your ladder should be set up on a firm footing and secured against slippage
- Straight ladders should be erected at an angle of approximately 76° (4:1) to the ground or 14° at the top
- Step ladders need to be opened fully and ladder locks or braces engaged before climbing
- Upper and lower sections of extension ladders should be overlapped to provide stability
- Weight of the ladder should be placed squarely on the ladder feet and not on the rungs
- Two or more people should be used to erect long or heavy ladders

### Using your ladder

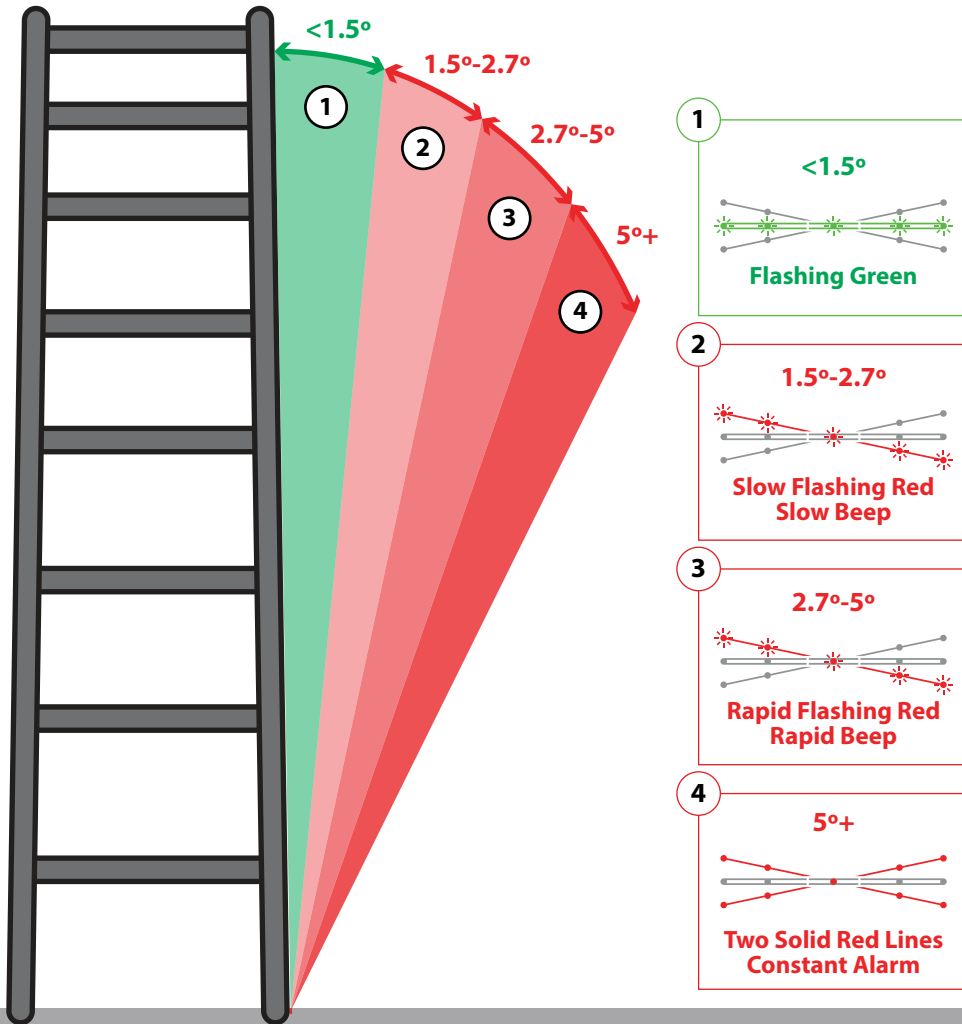
- Three points of contact must be maintained at all times when climbing
- Only one person should be on the ladder at any one time and the weight limit of ladder should not be exceeded
- Do not carry tools in your hands while climbing
- Hold onto rungs rather than side rails for more safety if a foot slips
- Wear appropriate footwear
- Work from within the ladder width, center of body (i.e. belt buckle) should not be further than the side rail. Do not overreach as overreaching can lead to the ladder tipping sideways
- Face the ladder when going up or down or when working from it
- Stand on a rung that is at least 900mm from the top of a single or extension ladder
- Stand on or below the second tread below the top plate of any stepladder

# Function Overview

## Visual Representation of X Axis or a Sideways Lean

This visual shows the degree of change required to initiate the alarm when the ladder moves sideways.

**NOTE:** This representation is not to scale and is for a visual reference only

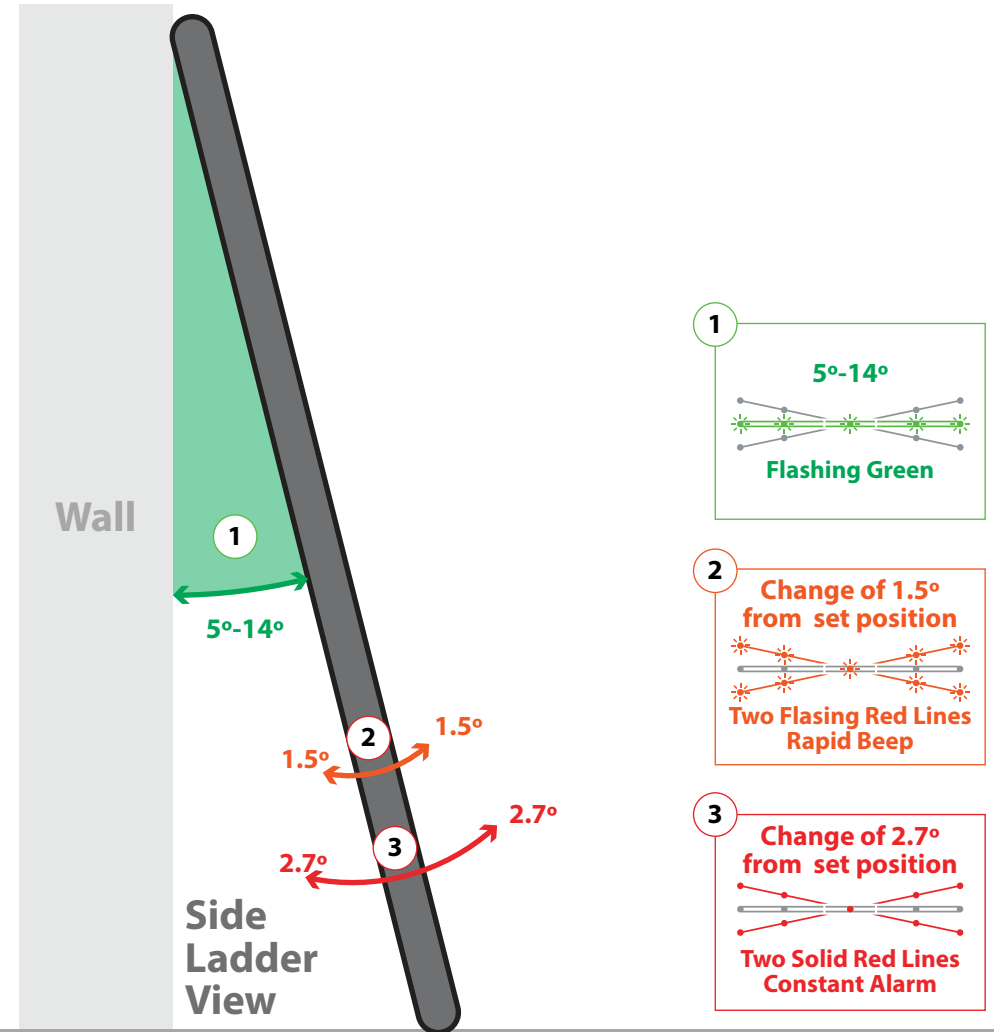


# Function Overview

## Visual Representation of Z Axis or Ladder Tilt

This visual shows the degree of change required to initiate the alarm when the tilt of the ladder changes.

**NOTE:** This representation is not to scale and is for a visual reference only



# Set Up Overview

**NOTE:** The Step Smart Ladder Stability Sensor is a warning device and is intended to assist with set up and early notification that your ladder has moved with the aid of visual and audible warnings. The Step Smart Ladder Stability Sensor does not replace general ladder safety

1. Insert batteries into the Step Smart Ladder Stability Sensor
2. Set up your ladder following your ladder's user manual
3. Mount the Step Smart Ladder Stability Sensor onto your ladder – see Set Up on Page 11
4. Turn the Step Smart Ladder Stability Sensor on, check your ladder is level using Set Up Mode
5. The Step Smart Ladder Stability Sensor's LEDs will flash to indicate level but no alarm will sound
6. Press Set to start Active Mode and begin safe use of your ladder
7. The Step Smart Ladder Stability Sensor will now check for any change in the stability of your ladder

# Set Up

## Set Up

**NOTE:** The Step Smart Ladder Stability Sensor unit has been designed to fit to most ladders, however in some cases you may not be able to mount the unit to your ladder in which case, do not attempt to use the Step Smart Ladder Stability Sensor device

1. Ensure your ladder is set up as per your user manual and is on a level surface
2. Select a gap between the rungs where you can mount the device horizontally

**NOTE:** If possible, we recommend that the unit is mounted around eye level for better visibility

3. Unclip the red telescopic bracket clip to allow the size of the bracket to be adjusted
4. Extend the right-hand bracket plate until both bracket plates push against the inside wall of your ladder and close the red telescopic bracket clip
5. Slowly push the unit upwards so the device is flush to the underside of a rung, ensure there is a tight fit. As most ladders taper upwards, it will fit more securely as you push it up

**NOTE:** The device must be installed directly under a ladder rung to ensure it does not become an obstruction with your feet when climbing up or down the ladder

6. Press the Power button to enter Set Up Mode, you will hear one short beep. In Set Up Mode, the Red and Green LEDs will flash to indicate level, but no alarm will sound

**NOTE:** Refer to page 14 for more details on the Display Functions



# Set Up

7. To Set Up your device you may need to adjust the position of your ladder or even the fitment of your device
8. When you have either Green or Red Flashing lights press SET to enter Active Mode. You will hear 3 confirmation beeps if set up is successful

## NOTE:

- **Active Mode can be set if:**
  - The LED lights are Green or Flashing Red - note if set when Flashing Red the unit will alarm in Active Mode to remind you that your ladder is not level
- **Active Mode cannot be set if:**
  - The LED lights are Two Solid Red Lines – this is too far from level and unsafe for use

# Operation

## Using the Step Smart Ladder Stability Sensor

**NOTE:** The Step Smart Ladder Stability Sensor is a warning device and is intended to assist with set up and early notification that your ladder has moved with the aid of visual and audible warnings. The Step Smart Ladder Stability Sensor does not replace general ladder safety

1. Once the Step Smart Ladder Stability Sensor is in Active Mode it will check for any change in the stability of the ladder. Refer to page 14 to reference the Display Functions
2. Slow Red Flashing Lights with Slow Caution Beeping or Rapid Flashing Lights with Rapid Beeping indicate minor changes in the stability of the ladder. This occurs when the ladder and therefore the device, have moved. This alarm will notify the user of a small change to the level of your ladder, in this case review your surroundings for any changes, by leaning safely you may be able to correct the level of your ladder, if the alarm continues to sound the user should dismount the ladder immediately to re-set the ladder to level
3. Two Solid Red Lights and a Constant Alarm Sound indicate significant change to the stability of the ladder. This alarm will notify the user of a substantial change to the level of your ladder, in this instance, the user should dismount the ladder immediately. It is recommended that you review your surroundings for any changes should the alarm continue
4. To power OFF your Step Smart Ladder Stability Sensor device, press and hold the ON/OFF button for 3 seconds then release, you will hear 3 fast beeps and the device will power off


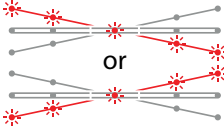
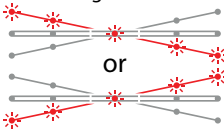

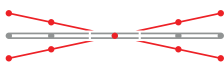




## NOTE:

- The device will automatically turn off:
  - If left in Set Up Mode for more than 10 minutes
  - If left in Active Mode for 8 hours without any change to the angle
- The device may alarm as you climb or dismount the ladder
  - Depending on the weight of your step and the strength of your ladder the device may alarm on each step, if this happens climb or dismount the ladder slowly to ensure the alarm is due to heavy stepping rather than movement of the ladder.

# Operation

## Display Functions

DISPLAY	STATUS	SOUND
Flashing Green 	<b>Can be Set to Active Mode Device is Level</b> <i>X Axis, Sideways Lean: Within +/-1.5°</i> <i>Z Axis, Tilt: Between 5°-14°</i>	<b>Set Up Mode:</b> No sound <b>Active Mode:</b> No sound
Slow Flashing Red 	<b>Can be set to Active Mode Use with Caution</b> <i>X Axis, Sideways Lean: Between 1.5° - 2.7°</i> <i>Z Axis, Tilt: Between 5°-14°</i>	<b>Set Up Mode:</b> No sound <b>Active Mode:</b> Slow beep
Rapid Flashing Red 	<b>Can be set to Active Mode Use with Caution</b> <i>X Axis, Sideways Lean: Between 2.7°- 5°</i> <i>Z Axis, Tilt: Between 5°- 14°</i>	<b>Set Up Mode:</b> No sound <b>Active Mode:</b> Rapid beep
Two Flashing Red Lines 	<b>Only shows in Active Mode</b> <i>Z Axis, Tilt: Change of 1.5° to 2.7° from set position</i>	<b>Active Mode:</b> Rapid beep
Two Solid Red Lines 	<b>Active Mode Not Possible / Dismount Ladder when Safe</b> <i>X Axis, Sideways Lean: Over 5°</i> <i>Z Axis, Tilt: More than 2.7° from set</i>	<b>Set Up Mode:</b> No sound <b>Active Mode:</b> Constant Alarm
Solid Green Battery Light  POWER	Device is on and batteries are sufficiently charged	No sound
Flashing Green Battery Light  POWER	Batteries are close to end of life and need to be replaced	No sound



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STEP SMART LADDER STABILITY SENSOR

# Repair and Refurbished Goods or Parts Notice

Unfortunately, from time to time, faulty products are manufactured which need to be returned to the Supplier for repair.

Please be aware that if your product is capable of retaining user-generated data (such as files stored on a computer hard drive, telephone numbers stored on a mobile telephone, songs stored on a portable media player, games saved on a games console or files stored on a USB memory stick) during the process of repair, some or all of your stored data may be lost. **We recommend you save this data elsewhere prior to sending the product for repair.**

You should also be aware that rather than repairing goods, we may replace them with refurbished goods of the same type or use refurbished parts in the repair process.

**Please be assured though, refurbished parts or replacements are only used where they meet ALDI's stringent quality specifications.**

If at any time you feel your repair is being handled unsatisfactorily, you may escalate your complaint. Please telephone us on 1300 663 907 or write to us at:

Winplus Australasia  
 PO Box 537 Bayswater Business Centre, Victoria, Australia  
 1300 663 907 - Hours: Mon-Fri 8:30am - 6:00pm AEST  
[customercare@winplus.com.au](mailto:customercare@winplus.com.au)

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