



# **Brake Controller Operation & Installation Guide**

## OPERATION AND INSTALLATION INSTRUCTIONS

**WiTi** now offers an integrated brake controller with ground breaking Hill Descent Assist. The **WiTi** Brake Controller connects to the Vehicle Unit with a dash mounted dial for gain adjustment and manual override. The **WiTi** Brake Controller offers two significant safety innovations - Hill Descent Assist and Brake Smoothing.

Hill Descent Assist improves safety and control when descending steep hills. All proportional brake controllers use inertia to determine the braking force applied to the brakes. The firmer the braking the more inertia is generated and braking is applied on the caravan or trailer in proportion. However, when descending steep hills the driver of the tow vehicle typically feathers the brakes to maintain speed - this generates no inertia as there is no deceleration. As a result there is no braking applied to the caravan or trailer and the tow vehicle is being pushed down the hill. **WiTi** Hill Descent Assist eliminates this by measuring the angle of descent and applying the brakes relative to the gain setting on the dash mounted dial. The steeper the descent the more braking is applied resulting in a safer more controlled descent.

Brake Smoothing eliminates the sharp and annoying jerking that may occur with other brake controllers. With **WiTi** the output to the electric brakes on the caravan or trailer is measured and smoothed electronically to provide a more comfortable and safer towing experience and eliminating harsh jerking under firm braking



### WARNINGS & SAFETY INSTRUCTIONS

**Do not operate the WiTi Brake Controller unless you have read and understood this manual and WiTi is installed as per the instructions.**

- Ensure the dial is installed in a location on the dashboard where it is easy to reach and the LED light is visible from the drivers seat.
- When the vehicle is successfully paired to a corresponding trailer unit the LED on the brake controller will illuminate.
- When applying brakes the LED light will pulse.
- To adjust braking sensitivity the dial can be turned to the left to reduce trailer braking or to the right to increase trailer braking. The dial incorporates a centre detent or click which will assist the user to adjust the brake controller by feel without having to remove his / her eyes from the road. The centre position will apply 50% gain to the braking on the trailer. Adjust the brakes to a level where trailer braking is felt to assist with overall braking of the tow vehicle and caravan. Different trailer weights and driving conditions will require different settings to provide safe braking operation on the trailer. Experiment with the settings to determine the ideal breaking settings for your trailer or caravan.

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1. Dash Mounted Dial and LED
2. 5 metre cable with RJ45 connectors either side



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## INSTALLATION INSTRUCTIONS

### Brake Controller Installation

Install the Brake Controller dial in a position on the dashboard where it is easily accessible and the LED light is visible from the drivers seat. It may be possible to install into an existing blank switch panel. Drill a 6mm hole for the dial and secure it with the nut and washer supplied.

Drill a 3mm hole for the LED and feed the LED light and fibre optic cable through the hole. The fibre optic cable is fed into the housing of the dial through the small hole at the front. Trim the fibre optic cable to size making sure that it fits snugly in the housing and into the dash. Trim small sections off at a time until the correct length is determined. The Led fibre optic cable is flexible to allow for variations in fitting. It is recommended that the LED light is fitted above the dial at a 12 o'clock position.

Connect the dial to one end of the RJ45 cable and feed the cable to wherever the Vehicle Unit is installed. Then plug the RJ45 cable into the Vehicle Unit RJ45 socket.

# LIMITED WARRANTY

If Leisure Technologies determines that you are covered by a warranty as set in the Australian consumer law the company shall at its expense: (a) repair the product, or replace the product with a new unit (which may have used refurbished parts of similar quality); (b) ship the repaired or replaced unit back to you; (c) warrant the repaired or replaced product for a reasonable period; and/or (d) refund money paid for the product. The Company has the discretion as to which remedy applies.

## Warranty period

The warranty period starts on the date of purchase and ends 24 months later. For the purpose of this limited warranty, the date of purchase is the date indicated on the original bill of sale or receipted invoice for the product from the vendor from which you acquired this product.

## How to get warranty service

During the warranty period, if you wish to return a defective product you may contact us via [www.witi.com.au](http://www.witi.com.au). You may then return the defective product to the address given accompanied by an acceptable proof of purchase (a bill of sale or receipted invoice).

## What is not covered

The limited warranty does not cover a product:

- for which you are not the original purchaser;
- that is damaged by using in a way that was unreasonable or unintended;
- that is returned after the applicable warranty period set out above has expired;
- that has been installed other than per the product installation guidelines;
- that has been maintained, altered or modified, opened or repaired, other than by the company or by a company authorised service centre;
- that has been physically damaged, other than by the company or a company authorised service centre.

To the extent permitted by law, Leisure Technologies, its directors, officers, employees, suppliers and agents, shall not be liable for injury to persons or property, or for any indirect, special, incidental or consequential, punitive or exemplary damages and liability and shall be limited to the amount you paid for the product.

## Other important notices

To the extent permitted by law, this limited warranty constitutes the entire agreement on the subject matter and supersedes any prior agreement or understanding, written or oral. Where used herein, the company shall mean Leisure Technologies Pty Ltd and its subsidiaries and associates.

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. The benefits under your warranty are in addition to other rights and remedies under the law in relation to the product.

Leisure Technologies Pty Ltd  
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