



VISUAL INFORMATION SYSTEMS



## VSLs Keypad Switch User Manual

Version 1.1



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## DISCLAIMER AND CONDITIONS FOR USE OF THIS PRODUCT

The product presented in this User Manual is the Bartco Traffic Equipment Pty/Ltd Part No: 80VM0190 also known as the “VSLs Keypad switch control box” from here on in to be known as ‘The Product’.

The product description and operating procedures presented in this user manual are considered accurate and complete at the time of publication. Bartco will not be held liable for omissions or inaccuracies unless whereby through an inaccuracy the product is rendered defective and then in such case the warranty terms would apply.

Use of the product outside of the limits or scope presented in this user manual will not be covered under warranty.

The product is to be used in conjunction ONLY with Bartco VSLs [MUST HAVE MODEL NUMBER]. Bartco is not able to warrant or support the product if it is interfaced to any other product without written approval of Bartco and in accordance with specific instructions to be provided at that time.

Bartco will not be held liable for personal harm or injury however unlikely to result in the misuse of the product. Additional limitations can be found in the “BARTCO WARRANTY TERMS AND CONDITIONS” included in this manual.

## RECORD OF AMENDMENTS

| Version | Summary              | Date       | Prepared by       | Approved by |
|---------|----------------------|------------|-------------------|-------------|
| 1.0     | User Manual prepared | 09/10/2020 | Sandeep Gummita   |             |
| 1.1     | Additional material  | 22/04/2021 | David Chamberlain | Ray Read    |
|         |                      |            |                   |             |
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## BARTCO WARRANTY TERMS AND CONDITIONS



1. BARTCO warrants that our manufactured product sold, will be free from defects in material and workmanship for a period of two (2) years (excluding batteries) from date of supply, subject to the conditions and restrictions contained herein.
2. BARTCO further warrants that product repaired by BARTCO, are covered within thirty (30) days from the date the repaired product is dispatched to the customer.
3. All Batteries supplied by BARTCO are warranted from defects for a period of 1 year.
4. Warranty is provided as a **RTB (Return to Base) warranty in your Capital City**. Product (s) to be returned are shipped at the Owner's expense and any supplied parts, must be returned in protective packaging for shipment. Shipment to and from the Owner is at the Owners risk. If shipping insurance is required, then this is also to be arranged by the Owner.
5. This warranty does not apply to a product that has not been installed or maintained in accordance with BARTCO instructions, been subjected to damage in an accident, abused or neglected during operation, repaired or modified by persons not approved by BARTCO, or failed to have initial operator training undertaken and regular, routine maintenance.
6. BARTCO's responsibility in respect to warranty claims is limited solely to repair or replacement at our option, of product found by BARTCO to be defective. BARTCO does not pay for labour charges, transportation charges, cross hire charges or any incidental or consequential damages connected with removal of a product deemed to be defective or with installation or replacement of repaired product. Further, BARTCO disclaims any liability for any incidental or consequential damages, including lost or duplicated time or expense, accruing for any reason to the owner or user of any products sold by BARTCO, whether claim is made in contract or tort or under any warranty or in negligence or otherwise.
7. BARTCO reserves the right to make changes to its products without incurring any obligations to incorporate such improvements in any products previously sold or in service.
8. The terms and conditions of this warranty cannot be altered whatsoever without the written approval of BARTCO.
9. This warranty does not apply to any product which has not been paid for according to the terms under which the product has been invoiced. In addition, BARTCO will not honour any warranty claim from a customer whose account is not current according to BARTCO payment terms.
10. BARTCO **does not** warrant certain batteries, lighting elements, and electrical ballast and items *considered to be expendables* as deemed by BARTCO.
11. The foregoing warranty is exclusive and in lieu of all other express, statutory and implied warranties including those of merchantability and fitness for any particular purpose.

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## POWER SUPPLY

### Electrical

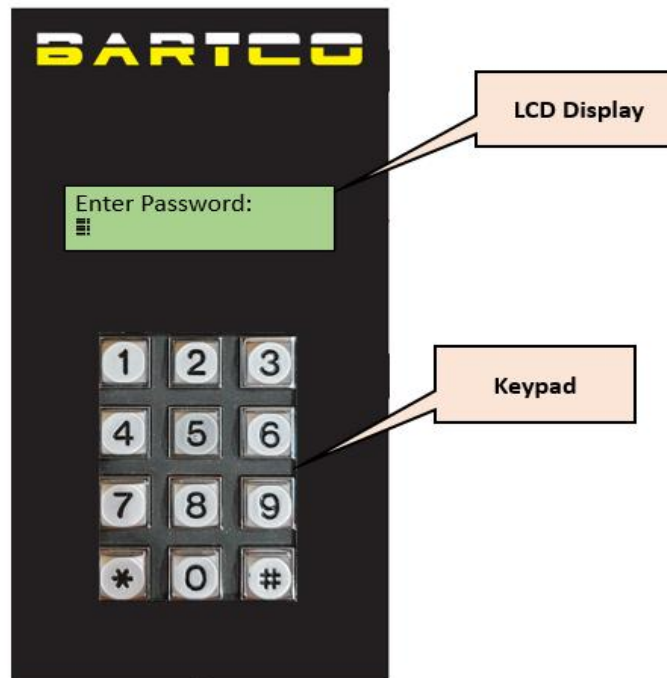
|                     |                    |
|---------------------|--------------------|
| Supply voltage      | 11 – 18 Volts DC   |
| Current consumption | 50-100mA @12 volts |

### Physical Controller

|        |       |
|--------|-------|
| Width  | 100mm |
| Height | 172mm |
| Depth  | 47 mm |
| Weight | 1 KG  |

## 1. INTRODUCTION

BARTCO VSLs Keypad switch is designed to be safe and easy to operate. It is recommended, that all individuals who operates this equipment are fully trained and understand the operational procedures outlined in this document.



## 2. SETUP & OPERATIONAL PROCEDURE

VSLs Keypad switch is located inside the left hand side (LH) battery box of the trailer.



## 2.1 INSTALLATION

The VSLS Keypad switch is mounted on to the battery box using 2 x M4x25mm screw and bolts.



**Step 1:** Insert the Power & Data cable to the controller.

**Step 2:** Match the controller bracket to the battery box mounting holes.

**Step 3:** Insert & tighten the Bolt and Nut provided with the controller.

## 2.2 OPERATION

Designated speed limit is selected & uploaded to the sign in 2 simple steps.

**Step 1:** Enter the default password then press #

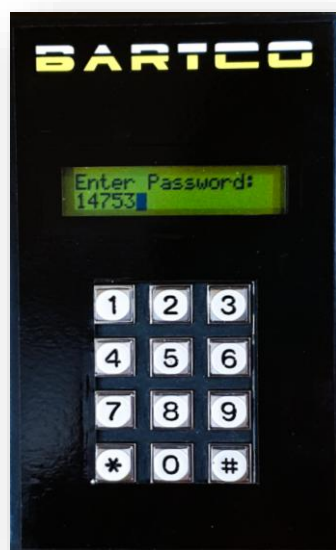
**Step 2:** Enter the required speed then press #

*Note:* The default Password is: **14753**

**Example:** The following steps are taken to display 60 speed limit on the sign.

**Step 1:** Enter 14753 #

**Step 2:** Enter 060 # for stationary annulus or enter 061# for flashing Annulus.



*List of All operational commands*

| Default Password<br>14753                                                           | SPEED RATING | COMMAND FOR<br>STATIONARY ANNULUS | COMMAND FOR<br>FLASHING ANNULUS |
|-------------------------------------------------------------------------------------|--------------|-----------------------------------|---------------------------------|
|    | BLANK / OFF  | 0 or 00 or 000                    |                                 |
|    | 5 Km/h       | 005                               | 006                             |
|    | 10 Km/h      | 010                               | 011                             |
|    | 15 Km/h      | 015                               | 016                             |
|    | 20 Km/h      | 020                               | 021                             |
|   | 25 Km/h      | 025                               | 026                             |
|  | 30 Km/h      | 030                               | 031                             |
|  | 40 Km/h      | 040                               | 041                             |
|  | 50 Km/h      | 050                               | 051                             |
|  | 60 Km/h      | 060                               | 061                             |
|  | 70 Km/h      | 070                               | 071                             |
|  | 80 Km/h      | 080                               | 081                             |
|  | 90 Km/h      | 090                               | 091                             |
|  | 100 Km/h     | 100                               | 101                             |
|  | 110 Km/h     | 110                               | 111                             |

### 3. MAINTENANCE

A general inspection & maintenance is always recommended to ensure the longevity of a product.

| TASK                                           | PURPOSE                                                                  | CAUTION                                                                                                                  |
|------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Clean the LCD screen                           | Removes the dirt and allows the user to read the characters better.      |                                                                                                                          |
| Inspect the Power & Data cable                 | Preventative measure to ensure the continuous operation of the equipment |  <b>WARNING</b><br>DC Power Supply 12V |
| Check the mounting bracket nut & bolt fixtures | Preventative measure to ensure the continuous operation of the equipment |  <b>DANGER</b><br>CRUSH HAZARD         |

### 4. SPARE PARTS

| PART NUMBER | PART DESCRIPTION                               | PART |
|-------------|------------------------------------------------|------|
| 80VM0190    | VSLs Keypad switch control box fully assembled |      |
| 80VM0190-B  | Keypad switch Bottom enclosure only            |      |
| 80VM0190-T  | Keypad switch Top enclosure only               |      |
| PPSL0030    | Keypad switch decal only                       |      |
| 80VS0004    | Keypad Switch PCB only                         |      |
| 80VS0005    | Metal Keypad only                              |      |
| 80VS0006    | LCD Screen only                                |      |
|             | Power & Data Cable Assembly                    |      |
|             | IP67 rated 6 pin connector                     |      |
|             |                                                |      |