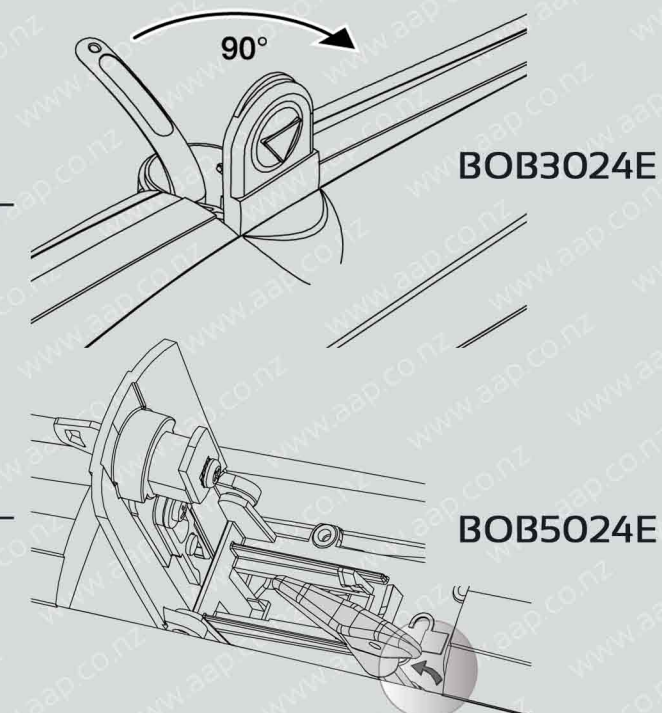
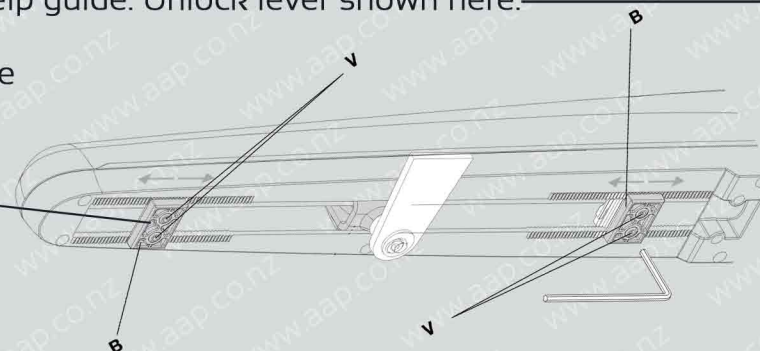


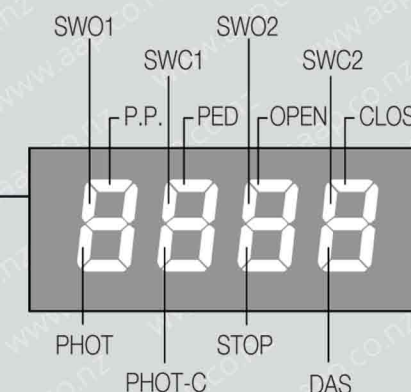
Pre Programming Hardware Set Up

- Before you start programming it is best to unlock the motor gear box and push the gate/gates through their full stroke. There should be little to no jerking or binding if the geometry is set correctly as per page 6 & 7 of the complete help guide. Unlock lever shown here:
- Use an allen key to adjust the mechanical stops on the bottom of the motor to suit the maximum open & close positions. See 'V' & 'B' here:



Fault finding before you program (See more ERROR messages in full manual on page 22)

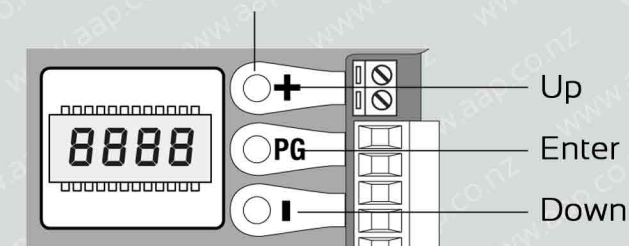
- The controller display is designed to tell you what is wrong if something hasn't been wired correctly. You should have no vertical or horizontal 'dashes' on the display before you start programming. If there are dashes present, make sure your connections have a closed circuit to common relating to the vertical dashes and an open circuit relating to any of the horizontal dashes shown here:



Remember: Leave the brown link wires connected unless you are using the input for a device. I.e. Safety beam, keypad, limit switch etc

All **Beninca** products stocked by **Arrowhead Alarm Products** contain a digital display for simple programming

- There are three main menus which are accessed using the +, -, and 'PG' buttons. PG is used as an 'Enter' button, + & - are used for scrolling through the menus shown here:
- Press the + & - together at the same time to take you back to the previous menu and repeat to return to the home screen or 'operating screen'



The main programming categories are as follows:

- **PAR** - Adjusting automatic closing time, motor operating time & torque
- **LOG** - Turning functions on/off, changing between 1 motor or 2 motor operation & changing controller input functions
- **RADI** - Learning wireless remotes &/or keypads
- **AUTO** - Automatic set up of stroke, current sensing and more
- **RES** - Restoring factory defaults. Note: This will not delete remotes from the system. To delete remotes, enter the RADI menu, scroll to cLr (to delete one remote) or rtr (to clear everything in the receiver) and push the PG button twice. See RADI section in the full manual for full details on how to delete remotes

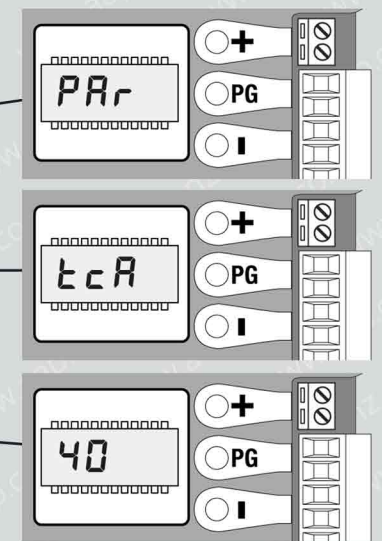
Autoset Programming (Default is for 2 motors. If you have only one motor see '**Single Motor Operation**' on the following page)

The BOB3024E & BOB5024E are equipped with a built in encoder. This is what allows an autoset up which is quick, easy and recommended

- Set the gate/gates to be in the middle of their stroke using the mechanical override lever shown on the previous page. I.e. Not in the open position and not in the closed position
- From the home screen press the PG button to enter the first menu. Use the + or - button to scroll until the display reads 'Auto'. Press the PG button again to enter the 'Auto' menu and scroll using the + or - button until the display reads 'Enc'. Press the PG button again to start the auto learn process.
- Motor 1 will open, then motor 2 will open, followed by motor 1 closing and then motor 2 closing. When the auto learn is complete the controller will display 'OK'
- If the system does not complete the auto learn function correctly the controller will display a fault code shown on page 23 of the full manual

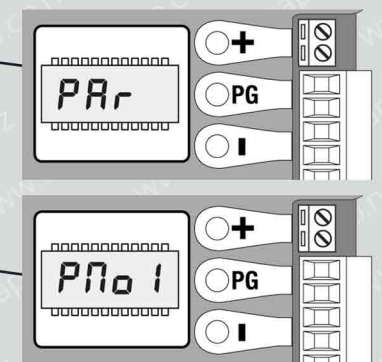
Changing Auto Close Time - (By default autoclose is set to on and 40 seconds) Turning autoclose off is found in the LOG menu under tcA

- From the home screen press the PG button to enter the first menu. Use the + or - button to scroll until the display reads PAr
- Press the PG button again to enter the PAr menu and the display should read tcA (this is the parameter for auto close time)
- Press the PG button again to enter the tcA menu and the display should read the tcA time (default 40 seconds). Now press the + or - button to change auto close to the desired time, followed by the PG button to confirm. Press the + & - together several times to return to the home screen



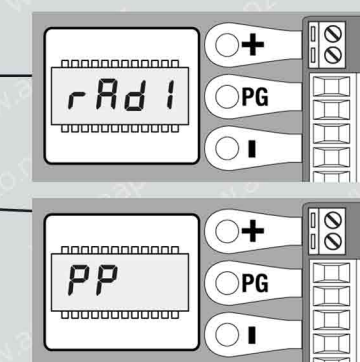
Changing Amperometric Sensor (Anti Crash) - This is useful if your gate has closed panelling or is in a windy area. In this case these parameters will need to be turned up

- From the home screen press the PG button to enter the first menu. Use the + or - button to scroll until the display reads PAr as follows:
- Press the PG button to enter the PAr menu, then use the + or - buttons to scroll to PNo 1. This is where the anti crash sensor is adjusted for motor 1 in the opening phase at normal speed
- Press the PG button again to enter the PNo1 menu and use the + or - button to raise or lower the anti crash sensor from 1 to 100 percent, then press the PG button to confirm
- Repeat this process using PNc1 (motor 1 closing phase), PNo2 (motor 2 opening phase) & PNc2 (motor 2 closing phase) as required
- Also repeat this process to adjust the anti crash sensor in the slow down phase. Use parameters PSo1, PSc1, PSo2 & PSc2 as required
- Press the + & - together several times to return to the home screen



Learning Remotes

- From the home screen press the PG button to enter the first menu. Use the + or - button to scroll until the display reads rAd I
- Press the PG button to enter the rAd I menu and the display should read PP
- Push the PG button again and the display should read PUSH. Now push the remote button you wish to learn and the display should read OK. Repeat to learn more remotes or press the + & - together several times to return to the home screen



Remote Protocols



AAP mostly only stock the green/yellow button remotes shown here: B-TO.GO2VA or B-TO.GO4VA

These remotes can be changed between multiple protocols. The receiver can only learn one of these protocols at a time. I.e. All remotes in the receiver have to be the same protocol.

The receiver learns the protocol of the first remote that is learnt and all others that follow must be the same protocol

To view the protocol of the remotes simply hold down 2 buttons at the same time and keep holding. The red LED will flash 2, 3, or 4 times to indicate which protocol the remote is currently in

To change the protocol, keep holding the 2 buttons together until the red LED becomes constant and then release the buttons

Hold down 2 buttons again to view the new protocol & repeat this process on all remotes until they all have the same amount of flashes.

Clearing The Receiver

- Press PG button then scroll using the + or - button until the display reads rAdI. Press the PG button to enter the rAdI menu, then scroll using the + or - button until the display reads rtr.
- Now press the PG button twice and the receiver memory is erased
- Press the + or - buttons together at the same time multiple times to return to the home or operating screen

The BRAINY24 controller comes with the full manual. Follow the same procedure as detailed above to change any of the functions and features the product has to offer. Don't be afraid of making a mistake as you can always use the rES (reset) option in the first menu to return the system to default settings