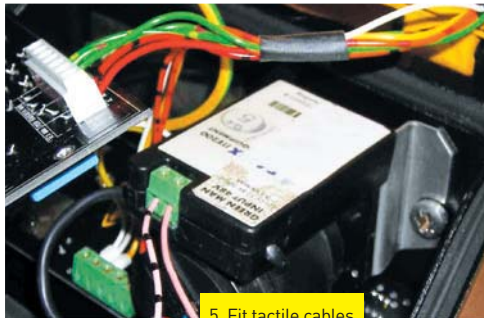


### TACTILE INSTALLATION (CONTINUED)

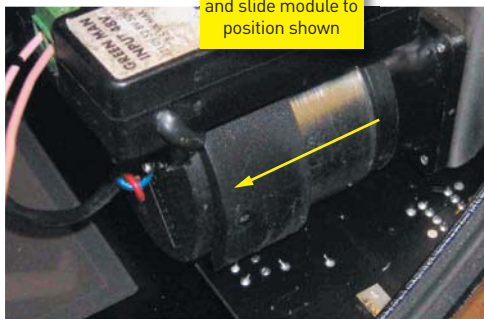


5. Fit tactile cables and slide module to position shown

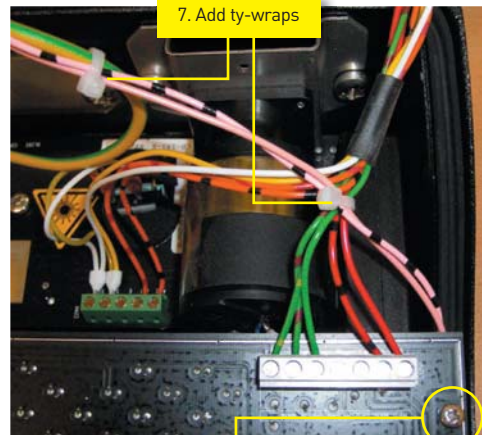
5 Fit appropriate cables to the tactile (colours shown are for indication purposes only) and slide the tactile module to the position shown.

6 Rotate the module to the side, replace the green aspect and secure with the two screws.

7 Ty-wrap the tactile cables to the main loom as shown and connect the tactile cables to the green aspect at the main terminal block.

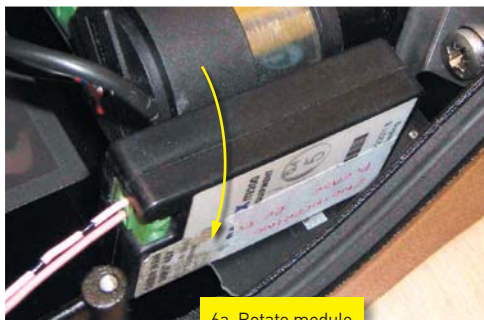


6a. Rotate module



7. Add ty-wraps

6b. Secure green aspect in 2 places



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Doc. Ref. AGD946 AGD947  
INF002-ISS7



# AGD946/947

## NEARSIDE SIGNAL PUFFIN & TOUCAN (NFOV OPTICS)

### Customer information

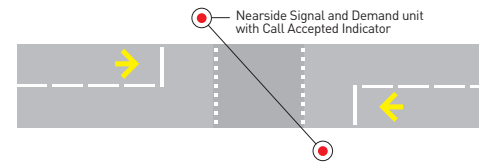
#### GENERAL

The Combined Nearside Signals incorporate both a Puffin or Toucan nearside signal and pedestrian demand unit (with 'call accept indicator'). The AGD946/947 are designed for use on pedestrian crossings and should be mounted on the upstream pole from the wait area. The Combined Nearside signal runs from a nominal 48V ac. If the controller employs dimming, the signal will automatically be lit to the dim level on the application of power within the specified voltage range for dim operation. The signal is fully off when the applied voltage <25% of the nominal supply voltage.

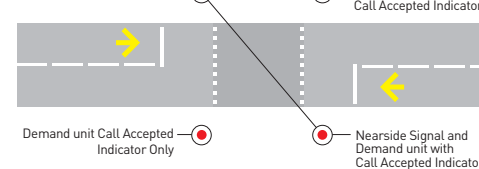


#### SITE DESIGN CONSIDERATIONS

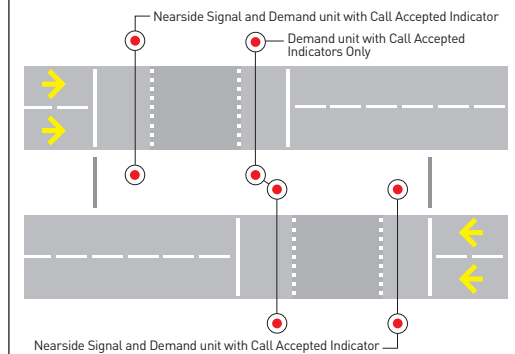
##### STANDARD CROSSING



##### 4 POLE CROSSING



##### DUAL CROSSING



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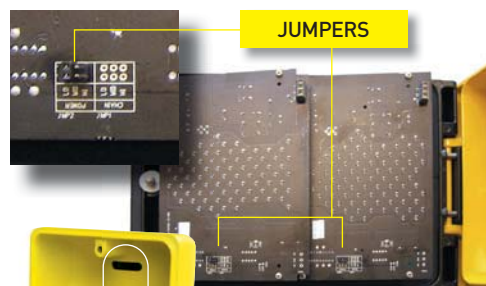
## ELECTRICAL CONNECTIONS

The signal head is designed to work around 48V ac. If the controller drops the voltage for night-time environment the unit will auto select the correct light intensity. It is essential that the signal head is connected to the correct power supply where connection is made internally. The supply is brought through the back of the unit from the pole to be connected to the screw terminal. Consideration must be given to the multiple grounding of supplies and its effect on the whole system. The signal head is connected to earth also at the terminal.

In some installations where the supply is at a greater distance there may be a voltage drop caused from the resistive load of the wire. This may result in incorrect dim operation. To overcome this problem the threshold should be adjusted. This threshold can be selected for

each aspect via a jumper located on both PCB's. It is recommended that both aspects be changed together at the same time and tested during commissioning.

**NB. ELV controllers only - jumpers to be in low position**



## INSTALLATION

**1** Position AGD946/7 on the pole within range 0.90m to 1.25m from push button to the ground in line with local authority requirement. Drill holes using template MS-081. Clean burrs from holes and remove template from pole.

**2** Fix to pole using U Bolt provided. Fit retaining washer over one threaded end of relevant U-Bolt (to prevent U-Bolt being dropped inside pole).

Feed U-Bolt through hole in the pole and align to allow other end to protrude through second hole. Fit retaining washer (to prevent U-Bolt being pushed into pole when fitting signal). Do not tighten fixing bolts fully, ensure slackened off sufficiently to allow for movement.

**3** Cable up and Adjust lateral position to a max +/-15 degrees from centre to on site viewing angle required.

**4** Ensure positioned so that on tightening fixing bolts the foam gasket at rear of enclosure forms a watertight seal.

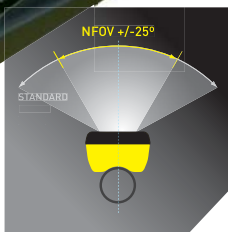
**5** Tighten T bolt fully. If unit is bagged double check T bolt is fully tightened to prevent water ingress.

**6** Power input cable should be sealed at point of entry with appropriate silicon sealant to prevent water ingress. Use one suitable for use with electronics (non acetic acid).

**7** If unit is removed from pole at later date units rear gasket **MUST** be replaced to prevent water ingress.

*The installation should conform to the latest edition of IEE Wiring Regulations*

Double fixing holes to accommodate optional U-Bolt fixing



■ The special NFOV (narrow field of view) optics feature a reduced viewing angle on the green man/green man and bicycle reducing the potential for 'read through' and ensuring the pedestrians focus remains with the main nearside signal.

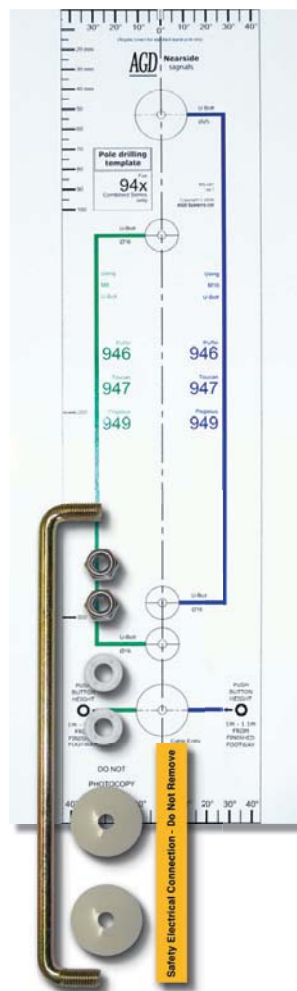


■ Lateral adjustment ( $\pm 15^\circ$ ) and central locking screw



■ Wrap-around shape that hugs the mounting pole

## MOUNTING KIT MS-074



**Contents of mounting kit:**  
M8 Mounting U-Bolt  
Retaining washers (large)  
Sealing washers (small)  
Nuts  
Safety Earth label  
Drilling template MS-081

## TACTILE INSTALLATION

**1** Ensure power to the Near Side Signal is turned OFF prior to installing the tactile.

**2** Remove the screws from the Green aspect (bottom) and the blanking plate (if fitted).

**3** Remove the blanking plate or large central plug (if fitted) and carefully slide the green aspect PCB towards the front panel hinge and lift away the green aspect to enable the tactile parts to be fitted.

**4** Fit and secure the tactile into position, NOTE the orientation of the tactile bracket. It **MUST** be fitted in this orientation otherwise damage to the Call Demand PCB may occur.

