

Installation Guidance

AVG4 Belisha Beacon without Halo
AVG4 Belisha Beacon with Halo
AVG4 Courtesy shield

Tools Required:

4mm Allen Key Socket and Torque Wrench suitable for setting a torque of 4.2Nm.
Side cutters
Wire-strippers
Electrical screwdriver set
Flat metal file (for de-burring external sharp edges on existing column)
Round metal file (for de-burring internal sharp edges on existing column)

Preparation:

Check that the top of the column has been cut perfectly straight and remove all the protruding burrs and sharp edges from both the internal and external edges of the cut.

Belisha Beacon without Halo

AVG/C/F400, AVG/C/N400

AVG/P/F400, AVG/P/N400, AVG/P/F400/PSL, AVG/P/N400/PSL

Installation:

- Unbox the AVG4 Belisha Beacon assembly and take to the top of the column.
- Pass the mains flex down through the middle of the column to the base whilst carefully lowering the assembly over the top of the column.
 - **Note:** there should be at least 50mm of column within the AVG4.
- Align the AVG4 Belisha Beacon assembly so that the sides with the plastic blanking plates are perpendicular to the road.
 - **Note:** if a spotlight is fitted (PSL models), ensure this is aligned so it would illuminate any pedestrians waiting to use the crossing.
- Locate the three M8 cone point grub screws situated in the bottom groove of the AVG4 that secure the whole assembly to the column.
- Adjust all three grub screws as necessary, to achieve an even gap all the way round between the bottom of the AVG4 and the column.
- Once the correct position is achieved, tighten all three grub screws to 4.2Nm.
- Electrical connection to be made by a trained and competent electrical engineer.

Belisha Beacon with Halo AVG/P/F400/Halo, AVG/P/F400/PSL/Halo

Installation:

- Unbox the AVG4 Belisha Beacon with Halo assembly and take to the top of the column.
- Pass the mains flex down through the middle of the column to the base whilst carefully lowering the assembly over the top of the column.
 - **Note:** there should be at least 50mm of column within the AVG4.
- Align the AVG4 Belisha Beacon assembly so that the Halo assembly is perpendicular to the road.
 - **Note:** if a spotlight is fitted (*PSL models*), ensure this is aligned so it would illuminate any pedestrians waiting to use the crossing.
- Locate the three M8 cone point grub screws situated in the bottom groove of the AVG4 that secure the whole assembly to the column.
- Adjust all three grub screws as necessary, to achieve an even gap all the way round between the bottom of the AVG4 and the column.
- Once the correct position is achieved, tighten all three grub screws to 4.2Nm.
- Electrical connection to be made by a trained and competent electrical engineer.

Courtesy Shield AVG4 (Non-Halo) Courtesy Shield & Fastener Kit AVG4 (Halo) Courtesy Shield & Fastener Kit

Ensure the Belisha Beacon assembly (*with or without Halo*) is fitted on the column and secured before installing the Courtesy Shield.

Installation:

- Carefully offer up the Courtesy Shield over the Belisha Beacon (*or Belisha Beacon with Halo*) assembly so that the clamps are beneath the AVG4 and the Courtesy Shield is perpendicular to the road.
- Secure the Courtesy Shield and clamps directly to the column just beneath the AVG4, using the two M8 x 140mm bolts provided.
 - **Note:** the spring washers should be used under the bolt head. Use the M8 flanged serrated nuts provided to fasten.