

SAFETY FIRST

Isolate the mains electrical supply before commencing installation.

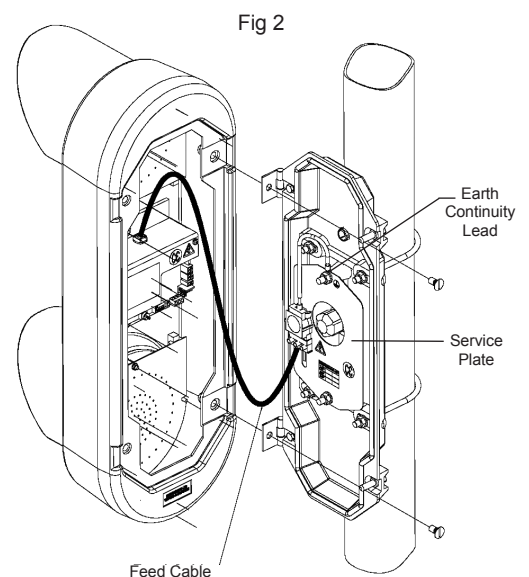
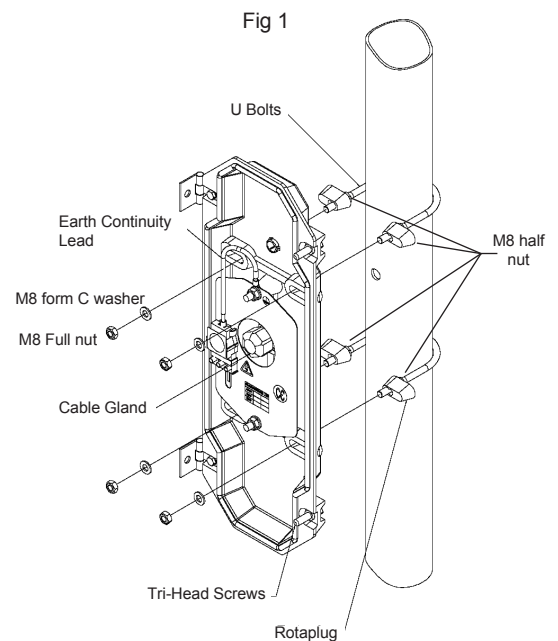
All electrical work must be carried out by suitably qualified engineers in accordance with the latest IEEE regulations.

TOOLS REQUIRED

Tri-head key	Philips screwdriver
5mm AF Allen key	Small spade electrical screwdriver
13mm Ring open ended spanner	Wire strippers

FITTING PROCEDURE

1. Open the Pulsa unit by unscrewing the two Tri-head screws on the back of the unit.
2. You may find the following operations easier by removing the Vari-fix back door from the PULSA. This is done by removing the service plate (Fig2) from the back door, then remove and retain the two countersunk hinge mounting screws using a 5mm AF Allen key.
3. Assuming that the mounting post has already been drilled, deburred and surface protected, feed the supply cable through the supply post and into the back of the Vari-fix back door through the cable entry gland (Fig1).
4. Ensure that the cable entry gland is tightened onto the incoming supply cable. The gland is fitted with a standard insert to accommodate cable sizes 9-14mm. An extra insert to accommodate cable sizes 13-18mm is included in a grip seal bag in the body of the Pulsa.
5. Select the appropriate Vari-fix post fixing kit for the mounting post diameter and remove the M8 form C washers and M8 Full nuts (Fig1).
6. With the back door located in line with the post cable hole, offer one of the U-Bolts around the mounting post and penetrate the two projecting Rotaplugs into the slotted rebates in the Vari-fix back door (Fig1).
7. To achieve the correct assembly of the Vari-fix U-Bolt system, slacken the 2 No. M8 half nuts and tighten the 2 No. M8 Full nuts until the 4 raised lugs on the Vari-fix firmly engage with the post diameter (Fig1).
8. When secure, re-tighten the 2 no. M8 Full nuts, which, as they are tightened, will force the tapered rota plugs into the slotted Vari-fix holes to form a weather proof seal Note:- This is particularly important as failing to tighten the M8 half nuts will compromise the IP rating and sealing of the PULSA casing.
9. Repeat this procedure for the other U-Bolt assembly.
10. Wire the incoming mains cable into the plug socket located on the gear tray.
L - Line
E - Earth (ensure that the Vari-fix earth continuity lead is wired in at the same time) (Fig 2)
N - Neutral
Fit the cable restraint clamp and terminal cover.
11. Refit the service plate.
12. Re-attach the PULSA body to the Vari-fix back door using the retained screws. Plug the mains input lead back into the main circuit board.
13. Finally close the body onto Vari-fix back plate and securely tighten the Tri-head fixings.



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