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SIR. POST
FITTING AND OPERATIONAL INSTRUCTIONS

The **SIR.** Post is a **S**olar Powered, **I**mpact Resistant, **R**adio Controlled Parking Post. The solar panel trickle charges a battery enabling the post to operate for long periods without sunlight. It is radio operated from a maximum distance of approximately 10 metres. If a vehicle bumps into the post in any direction the post will 'give' and an alarm will sound. Neither the vehicle nor the post should be damaged (depending on the force of impact). Installation is straightforward as the post is surface mounted, so there is no need to dig any holes. It is simply bolted to any solid surface on an incline of up to 45 degrees. When in the upright position its height is 700mm. In the lowered position the ground clearance is just 77mm. It takes around 10 seconds per operation. **NOTE:** Check with your car manufacture on the ground clearance for your vehicle. In most cases this should not cause a problem. It is important to remember that a flat tyre or heavy loads can considerably reduce the ground clearance of a vehicle. Always check before driving over the post and always drive over the post at a slow speed.

1. Position of post on drive/entrance

1.1. If installing the post on a slope, it must be installed facing uphill so that when the post is operated it lowers towards the upper part of the slope, coming to rest pointing up the hill, figure 1. (If unsure, use a spirit level to determine which direction is uphill).
1.2. If the site is level then the post can be fixed in whichever position is preferred. Ideally it should be positioned to get the maximum amount of sunlight on the solar panel.
1.3. Make sure the post does not obstruct public right of ways.
1.4. When fitting the post in a parking bay it can flatten into (A) or away from (B) the bay, figure 2. It is possible to leave the post down whilst a car is parked in the bay, however this may reduce the charge from the solar panel.
1.5. Should you require the post to be upright when a car is parked, you must ensure there is room for the post to move freely even when the car is parked in the bay, figure 2.
1.6. In very wide entrances two posts may be needed. A transmitter can be provided with two buttons, one button operating each post.

2. Installation

2.1. The post must be bolted to a solid surface e.g. brick, concrete, block paving or tarmac over concrete. If the surface is not at least 100mm deep it will be necessary to provide a suitable concrete base to this depth.
2.2. Check there are no wires or pipes under the surface to be drilled, down to a depth of 100mm.
2.3. Position the post in the required location and mark the position of the 4 fixing holes. Drill the holes using a 14mm diameter tipped drill, then secure the Post using the special security fixing screws provided.

3. Operation

3.1. Insert the battery into the transmitter, making note of the polarity.
3.2. Press and release the blue button on the transmitter and the post will start to rise and stop automatically in the vertical position. Press the button again and the post will lower to the ground.
3.3. Pressing the button whilst the post is moving will stop it. The next press of the button will move the post in the opposite direction.
3.4. **Pressure cut off:** If there is something in the way of the post during operation it will automatically stop on the object. When the transmitter button is pressed, the post will move away from the obstruction.
3.5. **Alarm:** If the post is hit an alarm will sound. To check this push the post in any direction with your hand, it will only sound whilst it is held over.
3.6. **Low Battery Warning Light:** When the battery is low and requires charging, the light at on the top of the post flashes constantly to indicate this. When this occurs, remove the cover, as described in section 5.3, then

remove the battery and charge. Refer to section 4, emergency release to operate the post manually whilst the battery is being charged.

3.7. A remote alarm kit can be purchased which will transmit a radio signal to a remote receiver, which can be used to operate floodlights, CCTV etc. If a vehicle bumps into the post in any direction, neither it nor the post should be damaged (depending on the force of impact).

3.8. Any number of transmitters can be used on the one post when set to the same code.

3.9. The post is set on a standard code. If you have more than one post it is necessary for them to be set on different codes. To change the transmitter code, unscrew the back of the transmitter and move switches 1-10 inside the transmitter case to a new code. Screw the cover back onto the transmitter. You then need to set the post to this same code. To do this, remove the top lens cap of the cover by undoing the two security screws using the security key provided. Locate the small YELLOW button on the side of the white control box. First press this button and the light will flash once, then press the transmitter button. The post will learn the new code and do a small operation in both directions to indicate this. The new code has been set. Replace the top lens cap and tighten the screws.

4. Emergency Release

4.1 Should you require manual operation of the post i.e. you are unable to use the transmitter provided, the post can be disconnected from its drive mechanism. Slide the emergency release cover to one side to reveal a hole, see figure 3, D. Insert the short end of the Allen Key (found in the Fixing Kit) into this and engage it into the head of the screw within. Turn anti-clockwise until the screw is removed. Note: it may be necessary to rock the post gently to release any pressure on the screw and enable it to turn freely. Once the screw has been removed the post can be moved manually.

4.2 To reinstate the mechanism, return the post to the position it was in when the screw was removed. You will now be able to re-insert the screw into the post, and gently tighten. Again it might be necessary to rock the post gently for the screw to re-engage.

5. Maintenance

5.1 The Safety Key and Allen Key (found in the fixing kit) must be stored in a safe place to ensure they are not lost or stolen!

5.2 Ensure the solar panel and the area around the post are kept clean and clear from debris.

5.3 Lubricate moving parts. To remove the cover, undo the 4 security screws using the security key provided. Slide the post cover upwards to reveal the drive screw thread within the chassis, figure 4. Lubricate the drive screw using spray grease. Replace the cover and re-tighten the screws.

5.4 Depending on usage and average daylight exposure it may be necessary to charge the battery from time to time. Any car battery charger can be used to charge the 12volt 2.2 Amp battery.

6. Troubleshooting

Q: Is the post failing to respond?

A: Check the red LED light on the transmitter is glowing when the button is pressed. If not, change the battery in the transmitter (Battery type: 12v Alkaline type GP 23AE).

A: The post may have lost its code. To recode the transmitter to the post refer back to point 3.7.

Q: The post is running slowly/is not working properly or at all!

A: The battery may need charging, see point 5.4. Refer back to section 4 for manual operation whilst charging the battery.

Figure 1

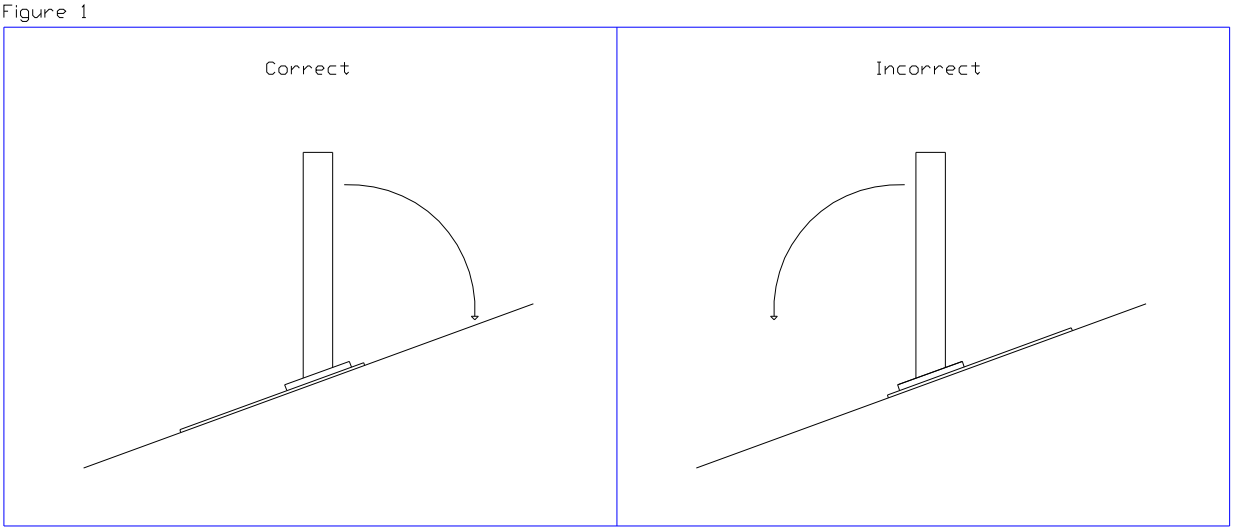

Figure 2

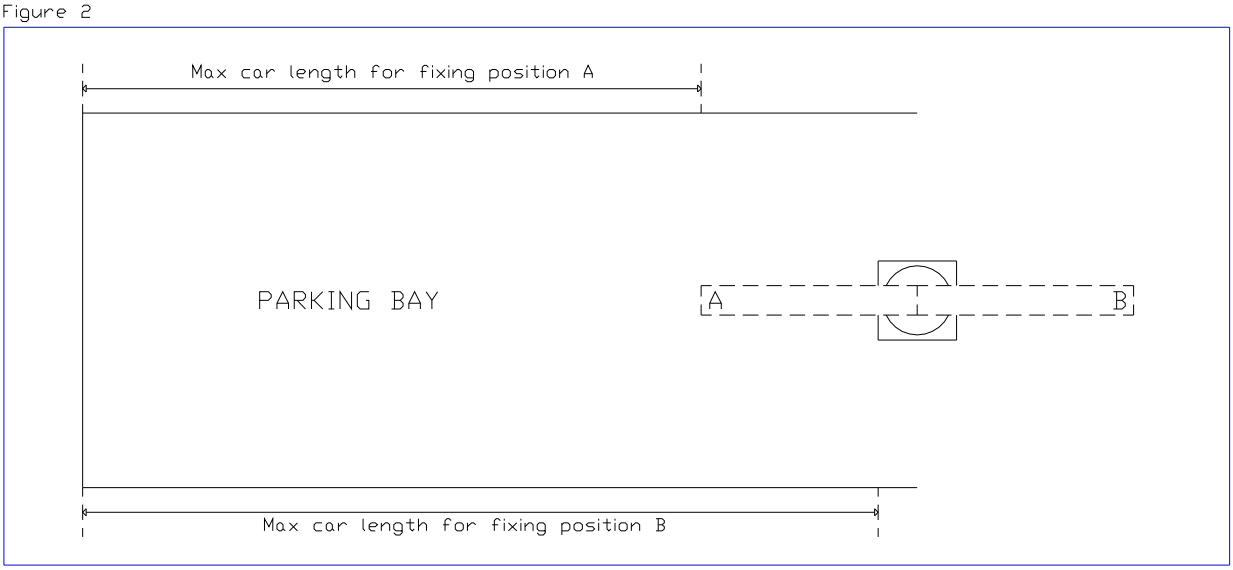

Figure 3

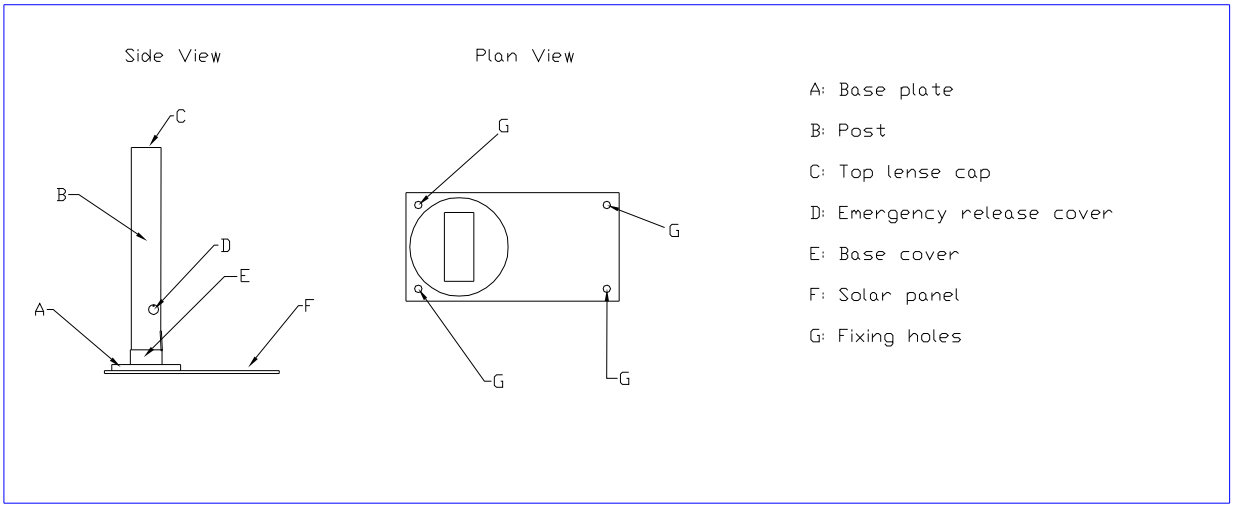

Figure 4