

# ADJUSTABLE MOUNTING BRACKET KIT - TYPE AB

## INSTALLATION INSTRUCTIONS

### 1. INTRODUCTION

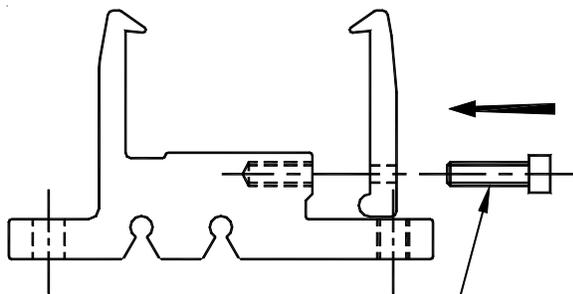
This mounting bracket kit is for securing a light curtain to a wall, mounting surface or floor post in the vertical axis and has angular adjustment if required.

Each adjustable mounting bracket kit comprises:

- 4 x Mounting Bracket Main Body
- 4 x Clamp Plate
- 4 x M4 x 16mm Cap Allen Screw (Clamp plate screw)
- 8 x M6 x 16mm Cap Allen Screw (Adjustment screw)
- 1 x Installation Instruction Sheet

Owing to the tight acceptance angles specified by current standards, it is important that the emitter and receiver units are mounted so that they are as optically aligned as possible.

Assemble the mounting brackets as follows:



Clamp plate screw  
Figure 1

### 2. INSTALLATION TO A WALL OR MOUNTING SURFACE

2.1. Mark the positions where the guard is to be located ensuring that the mounting surfaces are flat and even.

2.2. The greater the care taken in positioning and securing the guard, the easier it will be to align the system.

2.3. Secure the brackets to the wall / mounting surface, ensuring that they are vertically aligned. Locate the columns in the mounting brackets and tighten clamp plates.

2.4. Any vertical adjustment required may be obtained by slackening the clamp plates and raising / lowering one column until the beams are optically aligned.

2.5. Once in alignment the clamp plate securing screw may then be fully tightened.

2.6. Any rotational / lateral adjustment may be achieved via the M6 jacking screws, adjacent to the securing screws on the mounting bracket body.

See figure 2 and 3

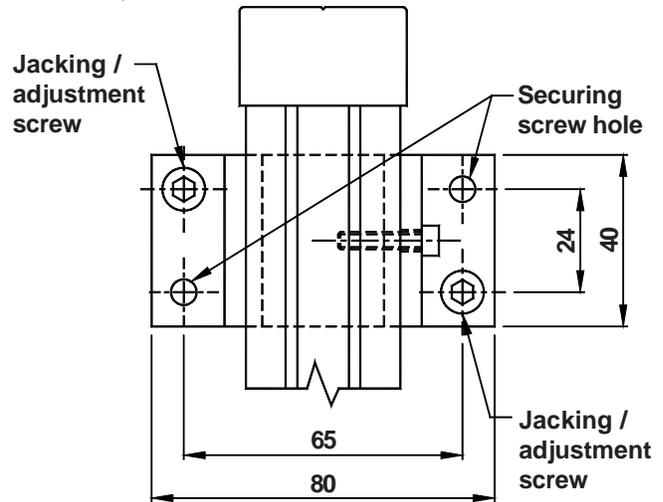


Figure 2

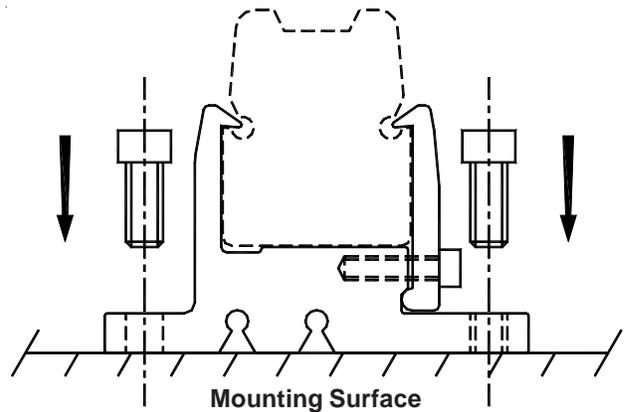


Figure 3

**Care must be taken to ensure that the amount of adjustment for both top and bottom mounting brackets is equal, to prevent the column from twisting and therefore distorting the optical beam alignment.**

2.7. Once the two columns are optically aligned, tighten the mounting bracket body securing screws.

### 3. INSTALLATION TO A FLOOR POST

3.1. Mark the position on the front face of the floor post where the light curtain is to be located. Ensure that the mounting brackets are positioned at the same height on both emitter and receiver floor posts. It is important that the brackets are positioned centrally on the floor post.

3.2. Secure mounting brackets to the floor post in one of two ways:

a) Drill clearance holes (M5) right through the floor post and secure brackets in place with M5 x 100mm long bolts, nuts and washers.

b) Drill holes 4.2mm diameter through the front face only of the floor post and tap M5. Secure brackets in place with M5 x 20mm cap allen screws. See figure 4.

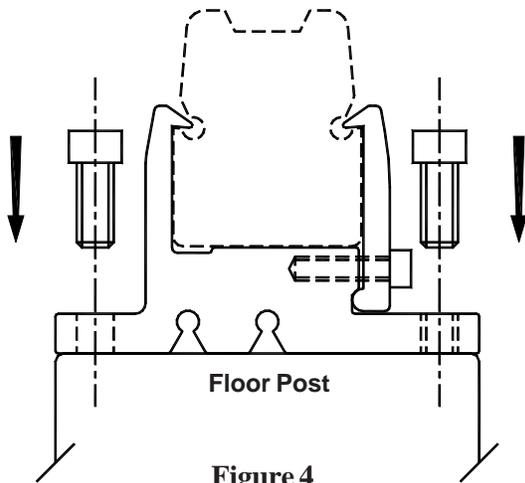


Figure 4

3.3. Locate columns in the mounting brackets and adjust to correct height and tighten clamp plates. See figure 5.

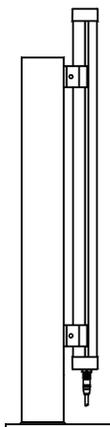


Figure 5

3.4. Place floor posts in required position ensuring that the emitter and receiver columns are both level horizontally and vertically and then visually align.

3.5. Any rotational / lateral adjustment may be achieved via the M6 jacking screws, adjacent to the securing screws on the mounting bracket body.

See figure 2 and 4.

**Care must be taken to ensure that the amount of adjustment for both top and bottom mounting brackets is equal, to prevent the column from twisting and therefore distorting the optical beam alignment.**

3.6. Secure the floor posts in this position via the central front mounting hole (A) see figure 6. Once both floor posts have been secured, check guards are still in alignment. If so secure via the two rear adjustable mounting slots (B) see figure 6. If any adjustment is required to bring the guard back into alignment this may be achieved by either:

a) Rotating the floor post via slots (B) see figure 6.

b) Adjusting the jacking screws (C) for tilt see figure 6.

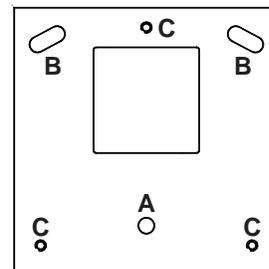


Figure 6

3.7. Any vertical adjustment required may be obtained by slackening the clamp plates and raising / lowering one column until the beams are optically aligned.

3.8. Once in alignment the floor post mounting screws and clamp plate securing screw may be fully tightened.