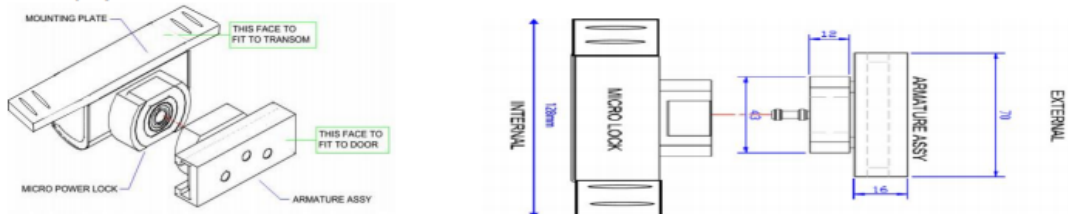


# INSTRUCTIONS for SDGi micro power lock CP105

The lock and bracket come completely assembled so you can see how they will mount on the door.

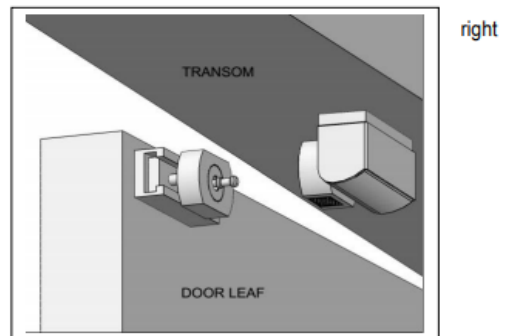
## Components

- 1 no SDGi micro power lock already fitted to the mounting plate with all cables coming out of the top
- 7 No M5 self tapping counter sunk screws
- 1 no armature on a sliding plate within a C section armature housing with 3 no fixings
- 1 No Allen keys for the small grub screws on the armature
- 1 no PCB



## Fitting the lock and armature

1. Offer up the lock to the transom/intel and the armature to the door and mark their positions
2. Slide the armature from the C section (loosen the 2 grub screws first with the allen key provided) secure the C section with the 3 M5 self tapping screws and then slide the armature back in place (*image 1*)
3. Offer up the lock to the armature and then put one fixing either side of the lock through one of the slots and slide the lock so it aligns completely flush with the armature, once you have achieved this secure the lock to the transom lintel with these two fixings and mark around the position of the mounting plate, undo the fixings and drill a hole for the lock cables to go through.
4. Make connections to the access control and the MPL PCB
5. Re fix the lock to the pre marked position and secure properly using two fixings in each of the remaining slots either side of the lock
6. Close the door onto the armature and slide the armature left and until it has engaged cleanly with the lock, then fully tighten the grub screws (as *image 1*) and then re test the arrangement by opening and closing the door, if it does not align then re repeat the adjustment steps



## Electrical Connections

1. The cables from the lock can be run into the transom through the **n** cut out in the SDGi bracket
2. The red and black cables are the power cables the other 3 cables are for the anti tamper function so if this is not required then these can be snipped off
3. The PCB can be located either in the transom or within the operator.
4. The red (+) and black (-) wires from the lock to locate in the smaller terminal block L- and L+ as Image 2
5. The power cables from the auto door operator to go into -/+ as Image 3.
6. The PCB automatically adjusts to 12v or 24v power.

Image 2

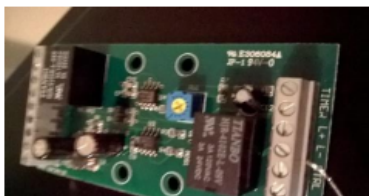


Image 3



## Finally

1. Once the lock is powered, test opening and closing and ensuring the lock locates smoothly into the armature.
2. It is very important that the lock and armature engage smoothly and flush. It is still possible for minor alterations to positioning/location to be achieved whilst the lock is powered.

## Relevant Information

- It is essential that the header frame/transom you are mounting the bracket to is strong enough to accommodate the bracket and its fixings – if in doubt consult with the door supplier.
- Ensure that the fixings supplied are not changed otherwise this will affect the performance of the bracket.