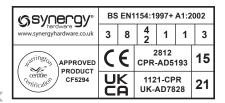
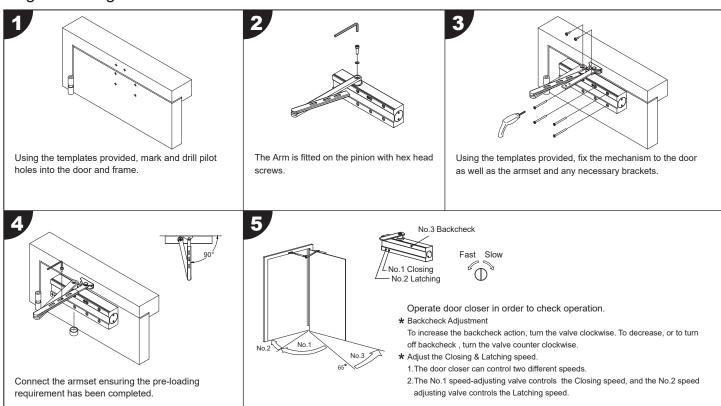
# Synergy®

## Fixing Instructions for S300 Series Door Closer Power Selectable EN 2-4



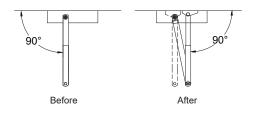
## **Regular Fixing**



## Installation Instructions: Please refer to actual size template for exact fitting dimensions

#### Pre-Loading of Arm

For the unit to provide the optimum performance and overcome any resistance upon closing it is recommended that the armset is "pre-loaded" To pre-load, reposition the fixing angle of the arm onto the mechanism so that the end of the closing cycle would be past the stop position, as indicated below.



# Installation and Maintenance Instructions:

### Warning



- 1.Please note the minimum power size requirement for fire / smoke door assemblies is 3 as required by Approved Document B.
- 2.Do not install mechanical hold open devices on fire / smoke door assemblies.
- 3. Take care not to exceed the maximum opening angle as detailed above.
- 4.Care and attention must be taken when adjusting any of the units control valves to avoid damage through over adjustment.
- 5.All Synergy Door Closer units are sealed for life and the internal components assembled under high load, therefore, tampering with the mechanism is to be strictly avoided.



Adjustment Details

of 1 full turn

Power size

2

3

4

After installation check the operation of the door closer. Adjustment to the

mechanism. PLEASE NOTE each valve is at its fastest speed with the adjustment

The following adjustment valves have a maximum adjustment of 1 full turn per valve. **PLEASE NOTE** over adjustment will damage the mechanism and/or the

Adjust the optional Backcheck (valve #3) before adjusting the Closing Speed

Max. Door opening

180°

180

130°

operation of the unit is made by altering the two valves at the front of the

performance of the door closer and invalidate its guarantee.

(valve #1) and Latching Action (valve #2).

Max. Door weight

40Kg

60Kg

80Kg

Fixing in Fig.1 / Fig.61

Max. Door width

850mm

950mm

1100mm

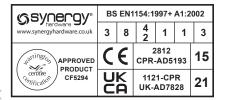
- 1.When the closer operates to close the door from its maximum opening position, it should ensure the lock latchbolt and any seals are overcome and the leaf returned into its frame.
- 2.When the door is slightly open and the latch bolt resting against the strike, release the door to ensure the leaf fully closes into its frame.



- 1.Once the unit has been correctly fitted it is recommended that periodic checks (every six months) are carried out to ensure all fixings are tight and the door closes freely and positively into the frame, without slamming.
- 2.A light oil lubricant (non-graphite) should be applied to the moving joints and exposed pivot points.



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## **Parallel Fixing**

