



Commissioning procedures for CVD constant volume inline damper

- Install and connect the power supply to the CVD dampers as instructed in the installation manual.
- Set the trickle and boost flowrate using the adjustment potentiometer through the cover of the unit.
- Adjust the boost run-on timer of the dampers if necessary.
- Set the operating pressure of the fan if a constant pressure fan is used before switching on the power supply to the fan.
- Ensure the boost signal to the damper is not activated. If CVD-PIR sensors are fitted, cover the sensor head with a small carton or similar. Switch on the power supply to the dampers; allow the dampers to run through an initial check which will take approximately 2 minutes.
- Take spot check of the trickle flowrate at the extract grille using an appropriate instrument; typically a hooded anemometer. Adjust the trickle setting if necessary (*see note 1*).
- Switch on the boost signal or remove the carton covering the CVD-PIR and allow the damper to settle to the new setting; this can take about 1 minute to travel from 5l/s to 25l/s. Take a spot reading and adjust the boost setting if necessary (*see note 1*).
- Repeat the airflow check in other rooms as deemed necessary by the site condition.

Note 1:

The CVD damper's control circuit is designed to give airflow within 2l/s* of the target settings. However, if site conditions cause a non-ideal flow pattern through the damper; e.g. bends being too close or multiple bends; the resulting airflow will be outside this range. If this occurs; the trickle and boost setting should be adjusted slightly up or down to produce the desired flowrate.

** 2l/s applicable to CVD100; accuracy of other sizes to be advised.*