

TOPP ACK 230V ACTUATOR

Installation Instructions

Important Information

The installation of all electrical items must be undertaken by a qualified technician.

- Do not use twin & earth cable to connect your motors.
- The 230V ACK chain motor is fitted with a three-core cable.
- The 24V ACK chain motor is fitted with a two-core cable and must be wired in accordance with your control mechanism.
- Always fit motor with screws facing vent bracket.
- This motor is fitted with an adjustable opening.

Adjusting opening stroke

To alter the amount that the chain extends, turn the dial on the motor body to the required setting (*see fig 1. Adjustable dial*).

Do not automatically set the dial to 40cm, a shorter chain extension may be preferable.



Fig 1. Adjustable dial

Adjusting chain/limit switch

The motor is also fitted with a limit switch.

You must adjust the threaded end of the chain so that the motor switches off at the same time as the window reaches its closed position (*see fig 2. Adjustable chain-end*).



Fig 2. Adjustable chain-end

Important checks

Having made the necessary adjustments it is essential that you ensure the chain is square to the motor body and the lock nut is tight.

Failure to do this may cause the chain to twist and collapse.

Failure to correctly adjust your motor during installation will result in motor damage, which is not covered by the warranty.

Fitting to our roof vent

TOPPs ACK chain motor fitted to a thermally broken aluminium roof vent.



Roof vent shown fitted vertically for test purposes

The distance the motor projects or 'hangs down' below the underside of the roof vent is approximately 30mm.

The total width of the motor including our unique one-piece mounting bracket is approximately 300mm.

The fitting and all the dimensions are identical irrespective of whether the motor is fitted to our thermally broken aluminium roof vent, or our 'hybrid' PVC/aluminium roof vent.

Maintenance

The actuator incorporates components that do not require significant routine or extraordinary maintenance operations.

In heavy-duty conditions make sure, at least once every 6 months, that the actuator assembly components are clean, the fixing systems (brackets and screws) are tight, the window/vent frame is not deformed and the seals are tight, and check the cables and connectors.

Technical specifications

	ACK5 230v	ACK5 24v
Voltage Supply	230v	24v
Thrust Force	300N	300N
Tractive Force	300N	300N
Stroke	100-400mm adjustable	100-400mm adjustable
Absorbed Current	0.32 amps	1.35 amps
Time Rating	S2 2mins	S2 3mins
Limit Stop	electronic	electronic
Safety Stop	electronic	electronic
Wiring	3 core	2 core
Speed	~ 27mm/s	~ 17mm/s
Double Insulated	yes	no
Protection Class	IP55	IP55
Weight	1.9kg	1.9kg

Wiring Diagram

