



Autowinder Rollup Wall Installation & Setup Instructions

The Autowinder rollup wall kit is an effective method for controlling rollup walls according to environmental temperature. The system consists of the controller, temperature sensor, two roll-up wall motors (24V dc) with mounting kits. There are limitations on the distance from the Controller to the motor(s) due to the variables of cable length, cable size and wall length to be operated. Additional motors may be added if required, these will require to be connected to a local Autowinder reversing power supply. The Autowinder reversing power supply converts 230/240Vac power to 24Vdc and has internal relays to change the direction of the motor. The Autowinder reversing power supply will accept either the 24Vdc output of the Autowinder controller or 24Vac outputs of other control systems for switching the motor.

Mounting : Refer to photos 1 & 2

The motor & roller guide can be pre-assembled, or the roller guide may be fitted to the guide pipe and autowinder motor fitted later, Note: the roller guide must have the carrier arm to the top and the stud to the bottom, Refer to the attached photos.

The Limit switch control box must be underneath the motor.

The Autowinder motor is shower proof, (not waterproof), and should not be mounted where water may downpour onto it, eg. directly under rainheads that may overflow, if unavoidable then a cover to disperse this water will be required.

Setting the Limit Switches:

Note the direction of motor travel is determined by the positive/negative output from the controller and the direction of the motor can be changed by swapping the two wires around if required, either at the motor or at the controller. Note: the cables must be clamped into the grey weather proof connector block.

The limit switches are on the back face of the motor one red and one green. (Refer photo 3) To adjust the up/down limit positions for the motor open the orange cover to expose the limit switch adjustment knobs, to change, the push knobs in, turn to adjust in the appropriate direction.

It is easier if the motor is wired in but not connected to the roll up wall tube and manually run until the down limit switch trips out before attaching the motor to the rollup wall drive pipe as this means that only the up limit switch will need setting. The rollup should be positioned to stop about 10mm above the midrail to allow for overrun in the motor preventing damage to the rollup or motor drive. Each tooth of the limit switch cog relates to about 90mm of vent travel.

Remember that it is easier to start with the down limit switch in the tripped out position before the motor is attached to the rollup so that only the upper limit requires setting.

With the rollup in the closed position switch the controller to manual operation and the control mode to open. Run the motor until the rollup is just below the desired maximum rollup opening position and turn the motor off.

Adjust the open limit switch so that it clicks off, then switch the vent motor to the down position and drive the vent a short distance downwards and then switch the motor back to the open position so as to check that the rollup vent stops in correct open position (repeat the adjustment procedure until the desired settings are achieved) Note: Be aware when setting the limits that these may change slightly over time due to bunching of the fabric or other causes.

Guide tube



Photo 1, Fitting from end



Photo 2, fitting from guide side



Photo 3, Limit Switches