

Intelligent current limiter and overload interrupter – TYPE LIP3

Description

LIP3 is an advanced electronic product, which is used as a current limiter between a 24V DC supply and 1 or 2 actuators. When the adjusted current limit is reached because of the load of the actuator(s), and the load of the actuator(s) hereby increased further, the speed of the actuator(s) will be automatically reduced. This way the consumption will not exceed the adjusted level, e.g. 3 amp.

LIP3 can work both as single operation, i.e. connected to 1 actuator or as tandem operation i.e. connected to 2 actuators in parallel operation.

LIP3 has a built in actuator protector. This means that the voltage will automatically be interrupted if the speed of the actuator gets relatively very low or stops completely because of a mechanic locking or end stop.

LIP3 is delivered in a discreet plastic box, which also functions as a link between the supply and the actuator(s).



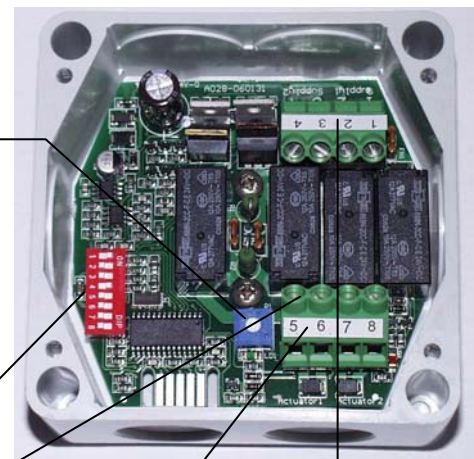
Technical data

Supply:	24V DC +/- 15%
Output:	2 output which can function independently (separately when in single operation) or in tandem operation
Synchronized timer:	Potentiometer adjustment for synchronization (1-10 sec.) when tandem operating
Current limiter:	Adjustment possibilities for max. current consumption, with help of a switch on the print: <ul style="list-style-type: none"> • 1,5 A for each actuator output • 2,0 A for each actuator output • 2,5 A for each actuator output • 3,0 A for each actuator output
Single/tandem operation:	Can be adjusted by a switch on the print
Input resistance:	Possibility to connect a 27K ohm resistance over the input clamp connection for supervision of the line
Dimensions (l x w x h):	100 x 100 x 50 mm
Colour:	Grey
Density:	IP54
Approved according to:	EN60335-1
Marked:	CE

Connection and adjustments

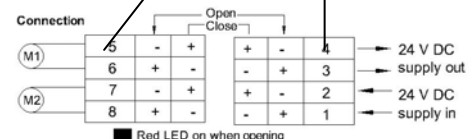
Potentiometer:

Synchronization adjustment (1-10 sec.) when one of the actuators (by tandem operation) has reached the end stop or other mechanical stop. The time of synchronization allows the second actuator to run during the adjusted time in order to close the skylight completely.



LIP3 Connection and DIP switch setting (factory settings shown)

SW	off	on	Function	Setting
1	■		Max. current pr. motor output	off on off on 1,5A - 2A - 2,5A - 3,0A
2		■		off off on on
3		■	Current limit setting	on = niveau 2 off = niveau 1
4		■	Single / tandem operation	on = single off = tandem
5		■	Input resistance	on = 27Kohm connected off = 27Kohm disconnected
6	■		Delay between M1 and M2	on = delay on off = delay off
7	■		No function	
8	■		Testmode	on = test mode off = normal operation



IMPORTANT:

Remember that the actuator wires by tandem operation must be installed so the actuators run