



## Current Limiter and Overload Unit - Type LIP7

intelligent and electronic current limiter



**LIP7 BA (basis)**  
#121305



**LIP7 TA (tandem)**  
#121306



**LIP7 OC (open / close)**  
#121308

# Current Limiter and Overload Unit - Type LIP7

## ADVANCED ELECTRONIC CURRENT LIMITER

LIP7 is an advanced electronic product that is used as current limiter and overload unit between a 24-36-48VDC supply and for 1 actuator (motor).

When setting for the current limiter is reached because of the actuator load, and the load on the actuator is further increased, then the actuator speed is automatically reduced, so that the current consumption does not exceed the set level.

A heat resistant silicone cable is mounted as supply line.

LIP7 is available in 3 versions:

LIP7 Basis, LIP7 Tandem and LIP7 Open / Close.

### LIP7 BASIS #121305

1 channel actuator protector - replaces LIP5.

### LIP7 TANDEM #121306

1 channel but now with the opportunity to operate in Tandem / Synchro mode with another LIP7 if 2 pcs. of opening systems are mounted in the same window or skylight to prevent damage to the window or skylight. The system stops if power to one motor disappears.

There is also an opportunity to operate in Synchro mode where both systems are running exactly with the same speed without delay.

Synchro mode requires that the electrical actuators in the opening system is mounted with "reed switches" for speed / position indication.

### LIP7 OPEN/CLOSE #121308

Same features as the LIP Tandem but also with clamps for Open / Close indication of the window or skylight.

Open / Close indication and Synchro mode requires that the electrical actuators in the opening system is mounted with "reed switches" for speed / position indication.

## CONNECTION AND SETTINGS

DIP switch	off	on	Function	Settings*				
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>			OFF	ON	ON	OFF
4A / 24VDC			Max. average current. (Please note this is only an example - may vary in diff. types of Opening Systems)	24V	2A	3A	2.5A	4A
				36V	1.5A	2.25A	1.9A	3A
				48V	1A	1.5A	1.25A	2A
2	<input type="checkbox"/>	<input checked="" type="checkbox"/>			OFF	OFF	ON	ON
3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	OFF = No 27kΩ for line detection	ON = 27kΩ for 2 wire line detection (terminal 1 and 2)				
↓ Only available in LIP7 TA and LIP7 OC ↓								
4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OFF = Stand Alone mode (only 1 system / LIP)	ON = Communication mode (set ON in both systems / LIPs)				
5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Used in case of Dip 7 is set on (Delay between operations of LIP's in tandem)					
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OFF = First start at open direction	ON = First start on close direction				
6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OFF = Sync mode = 3 wire actuator (motor)	ON = Tandem mode = 2 wire actuator (motor)				
7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OFF = No delay between Master and Slave	ON = 7 seconds delay between Master and Slave				
8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	OFF = No function	ON = Intelligent load				

(\*) Please note that the above power settings are standard - can also be customized to specific Actulux actuator types

## FEATURES

Power supply: 24-36-48VDC +/- 15%, Max. Ripple: 2 Volt PP

Input resistance: Using switch on the PCB a 27kΩ resistor can be engaged over the input terminals of the supply to the line monitoring

Max. power in the position relay: 30VDC / 2A

Size (l x w x h): 100 x 100 x 50 mm

Material: White plastic box

Compatible with previous LIP editions

IP rating: IP54

Silicone cable length: Standard 85 cm

Meets requirements: EN12101-2 / EN60335-1 / EN50130-4 Marking: CE

Product number: 121305 (Basis) / 121306 (Tandem) / 121308 (OC Open/Close)

