

Trouble shooting

Error	Cause	Solution
Actuator not running	Wires not mounted correctly.	Check that actuator is connected to terminal 1 and 6 on X1.
	Faulty supply.	Check that the supply at X3 is correctly polarized and that the fuse is not defect.
	Faulty wire to switch(es).	Check that the plug is placed correctly in socket.
	Defect print.	Contact your dealer.
Actuator is running but stops irregularly.	Faulty wire to switch(es).	Check that the plug is placed correctly in socket.
	Defect print.	Contact your dealer.
Actuator only running one way.	Defect print.	Contact your dealer.
Actuator running without the button being activated.	DIP switch positioned wrong	See Section about setting of DIP switch
	Wire to switch defect.	Check wire.
	Defect print.	Contact your dealer.

Technical specifications

Input	
Voltage	24VDC
Power	Max. 8A
	Standby power: 30mA
Output	
Voltage	24VDC
Power	Max. 8A
Life span	The expected life span of the processors is approximately 10 year at 30 daily operations.
Duty cycle	10% - 6 min. per hour

Installation guide and user manual

AD1HSMINI

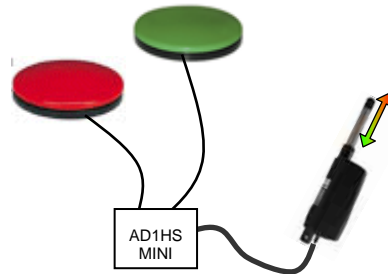
Actuator driver with speed limitation



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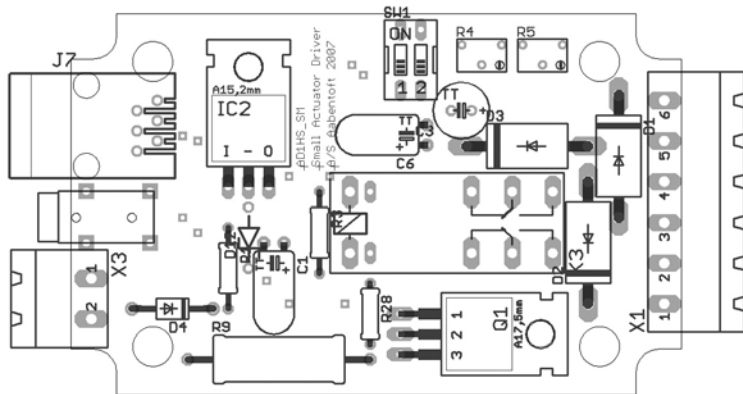
Functional description



AD1HSMINI is a driver for control of an actuator/motor so that it can be controlled independently of the electronics of the chair. It is a separated unit and is as such not dependent on the type of chair it is mounted on. For the same reason it is necessary to turn the chair on to activate the actuator through AD1HSMINI.

AD1HSMINI is controlled by one or two switches. If two switches are used, one switch is operated for each direction. By one switch the actuator/motor direction is toggled each time the button is activated.

It is possible to set the maximal movement speed of the actuator.

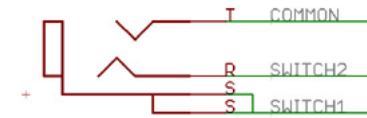


Fitting instruction

AD1HSMINI is supplied with 24V voltage. The actuator is connected to the output.

Plug	Pin	Connection	Function
X3	1	0VDC	24V supply
	2	+24VDC	
X1	1	Actuator output (+/-)	Socket to Actuator
	2	N/C	
	3	N/C	
	4	N/C	
	5	N/C	
	6	Actuator output (-/+)	

The switch or switches connected to AD1HS via a 3.5mm jack plug.



	Pin	Connection	Description
3.5mm Jack plug	Tip	COMMON	Common pin for the switches
	Ring	SWITCH2	Connection for second switch for "2 switch control". Normally Open.
	Sleeve	SWITCH1	Connection for first switch. Normally Open.

The DIP switch is used to decide whether AD1HSMINI is operated by one or two switches.

DIP switch	ON	OFF
1	One switch	Two switches
2	Not used	

Adjustment of speed

The speed of the actuator/motor can be set by adjusting trimmer R5 on the print. The speed is variably set by turning the trimmer. The trimmer is single-turn and is not updated during operation of the actuator.

Trimmer	Function
R4	No function
R5	Speed