

INTEGRAL ACTUATOR MODULE

E23271 – LONG HARNESS

E23272 – SHORT HARNESS

E23270 SERIES

FUNCTIONAL DESCRIPTION

Introducing the NEW single channel integral actuator module (*iAM+*) by Liber-T Medtech. The *iAM* is the industry most simple, yet versatile wheelchair actuator module to date. Design for harsh environment, the *iAM* is an ideal choice for powered wheelchair or any other product where reliable and simple actuator control is needed.

The Single *iAM* includes wiring harness, Soft Start Soft Stop capabilities, Thermal Protection, current sensing with 5 amps current cut-off, Inhibit input and visible bicolor status LED.

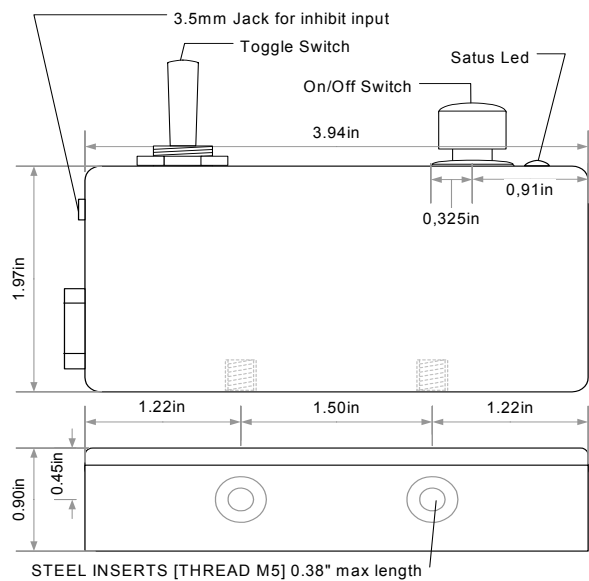
Packaged in a small aluminum case, the *iAM* is a smart and economical solution for actuator drive.



SPECIFICATIONS

- Microprocessor based electronic
- Integral Unit
- Bicolor Status Led
 - Normal : Green
 - Inhibit : Red
 - Stand-by : Blinking
- Black Die Cast Aluminum Casing
- On/Off switch
- Right angle strain relief
- SoftStart / SoftStop Accel-Decel rate
- Thermally Protected (resettable fuse)
- Current sensing with 5 amps current cut-off
- TASH™ Compatible inhibit input (mono 3.5mm jack)
- Supply:24V_{nom} (16V-32V) DC*
- Very Low Standby Current: < 4.5mA

*Also available in 12V_{nom} configuration



DIMENSIONS	
DIE CAST ALUMINUM BLACK CASING	
Width	1.97"
Length	3.94"
Height	0.90"

SOFT START - SOFT STOP FEATURES

i-AM soft start and soft stop minimize current spikes on the actuator and provide a smooth movement on the seating system.

MODES OF OPERATION				
MODE	FORWARD (24V)	REVERSE (-24V)	LED COLOR	INHIBIT
OFF	Off	Off	Off	Don't care
NORMAL	Possible	Possible	Green	Closed
NORMAL	Possible	Possible	Green	Disable
INHIBITED	Not Possible	Possible	Red	Opened
NORMAL STAND BY*	Possible	Possible	Green Blinking	Inactive
INHIBITED STAND BY*	Not Possible	Possible	Red Blinking	Active
OVER CURRENT **	Not Possible	Not Possible	Green	Don't care

* When ever the toggle switch is push in either direction, the unit will exit stand-by mode

** Toggle switch must be in the neutral position for more than a second before mouvement is possible once more

Current Sensing :

Typical cut off : 5.0 Amps
 Max cut off : 5.25 Amps
 Min cut off : 4.75 Amps

Stand by Mode Entry :

Enter : 5 minutes without movement
 Exit : Immediate

INHIBIT	
	JU4
Inhibit Enable	OPEN
Inhibit Disable	CLOSE

