Limitator™ LM-1   Multi-Protocol/RS-485

LM-1

Product Overview:

Limitator™ is a simple to use hand held limit setting tool to setup limits, and motor rotation on compatible shade motors.

It also can be used as a USB to 485 dongle in order to use compatible motor configuration software with laptops.

It can also be used for troubleshooting the RS-232 ports on Reaktor Neutron and Colllider PDU's.
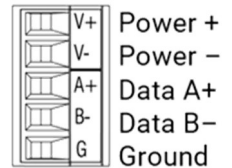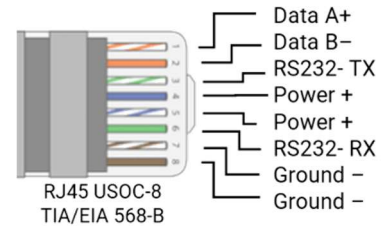
This product has 2 components, a hand-held tool, and a 485 Motor Tap..

Technical Specifications:

- PDU Input: 24VDC (From compatible PDU's) 5.08 pitch 5 position Inverted Header Pinned from Motor side
- Motor Output: 24VDC (From compatible Motors) 5.08 pitch 5 position header (Pinned from Motor side)
- Hand-Held Control Port (RJ45)
- USB Connection (USB Type C)
- Material: Glass Epoxy
- Dimensions: (2.75 in. H) x (2 in. W) x (1/4 in. D)
- Maximum Wiring Distance
  - PDU Side up to 250' with 12-14 AWG.
  - Motor Side: Up to 3' (Use standard motor supplied cable
  - Handheld unit: Up to 30'
- Operating Temperature Range: Ambient temp.
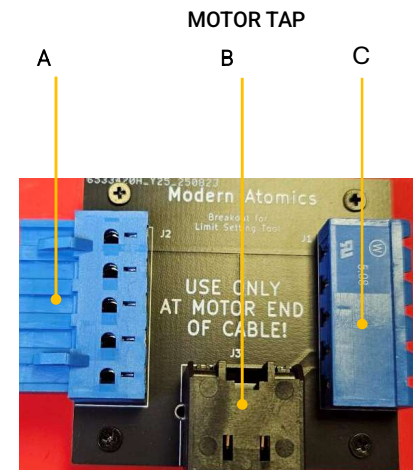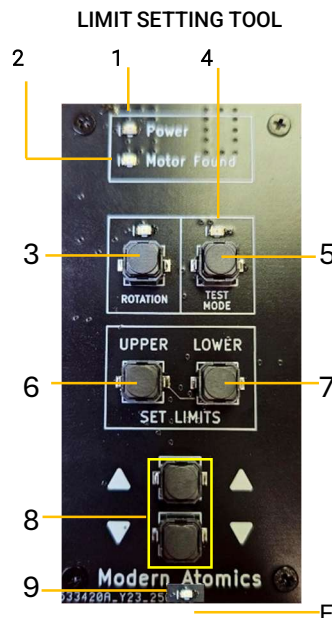- Shipping Weight: 0.9 lbs. [kg]

Features summary:

- Set Upper Limit
- Set Lower Limit
- Set Motor Rotation
- Wink/Jog Motor
- Test limits
- Move past limits
- Set fine pulses
- Works with Many Popular Motors.
  - All Somfy® 24VDC Low Voltage SDN Motors
  - All Somfy® AC SDN Motors
- Use all Somfy Software including SDN Keypad Configuration Software, SDN Motor Configuration Software and SETPro Configuration Software
- 10-Year Warranty

RJ45 USOC-8
TIA/EIA 568-B

	Data A+
	Data B−
	RS232- TX
	Power +
	Power +
	RS232- RX
	Ground −
	Ground −

V+	Power +
V-	Power −
A+	Data A+
B-	Data B−
G	Ground

Connections & Indicators:

LIMIT SETTING TOOL

MOTOR TAP

ELEMENT		DESCRIPTION
1	Power LED	Lit when 24VDC is present from PDU
2	Motor Found	Lit when Motor is discovered
3	Rotation Key	Press to change Motor Rotation
4	Test Mode LED	Lit when test mode is active
5	Test Mode Key	Press to test current motor settings
6	Upper Limit Key	Set Upper limit to current position
7	Lower Limit Key	Set Lower limit to current position
8	^/v movements	Moves motor up/down (Both=stop)
9	USB LED	Lit when power from USB present
A	PDU PORT	Connect with PDU
B	HandHeld PORT	Connect to Hand-Held Tool
C	MOTOR PORT	Connect to Motor (Motor Pinout)
D	USB PORT	Connect Laptop to USB to 485 BUS

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