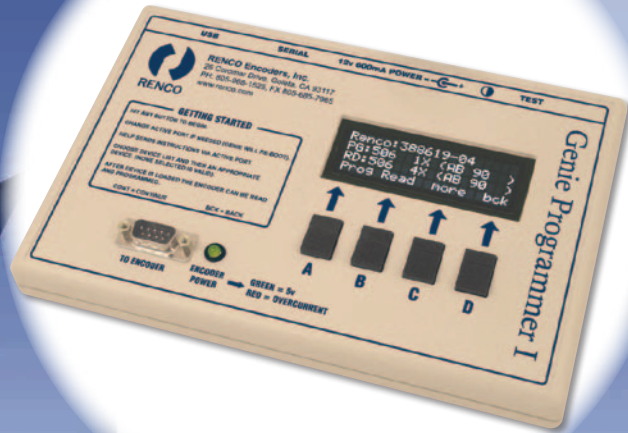




Genie Programmer I



Genie Programmer I is a standalone unit used to program any of the RENCO one-time Programmable Encoders. A backlit multi-line display and a 4 button user interface facilitate the reading and programming of the internal registers which set multiplication, and index gating. Connection to the encoder is made through a standard 9 pin D-sub connector using four wires. Remote operation with a PC can be done through the serial or USB port on the rear. An internal Data Table can contain up to 100 customer part numbers with pre-configured parameters.

Features:

- Easy to read display
- Program at the touch of a button
- Customized data table

Mechanical:

Weight	498.9g [1.1 lb]
Dimensions	140mm L x 220mm W x 45.5mm H [5.5" L x 8.5" W x 1.5" D]

Electrical:

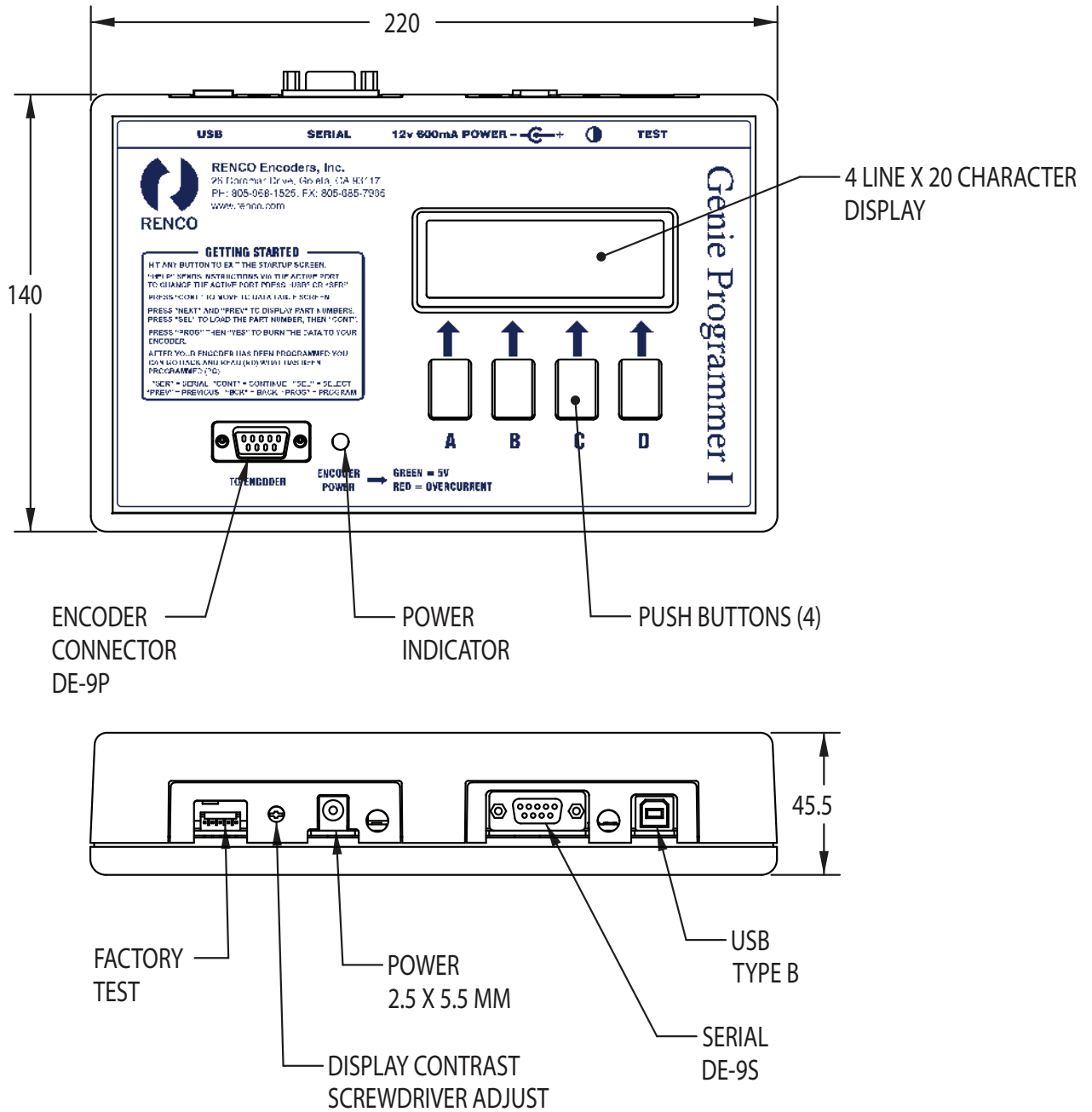
Connection	RS232 serial or USB connection
Accessories	AC Adapter (120VAC, 60 cycles) with 1.82m cable [6 ft] (included) USB 3m cable [10 ft] Serial 3m cable [10 ft] Encoder .5m cable [18 in]
System Requirements	Remote mode can be negotiated using a simple terminal program on any operating system.

Programming:

Encoders	RCML15p, R35ip, RHDip
Multiplication	1X, 2X, 4X, 8X
Index Gating	1 = Index Gated with A & B, Index width 90° ±45° 6 = Index Gated with A- & B-, Index width 90° ±45° 7 = Centered on A & B, Index width 270° ±45° 8 = Centered on A- & B-, Index width 270° ±45°
Example:	The output count is a function of the disk resolution and the multiplier. An RCML15p with a 500 count disk could be programmed to have 500, 1000, 2000, 4000 counts with any of the four index options.
Note:	Encoders can only be programmed once.

Disk	Multiplier	Line Count
250/256	X1	250/256
	X2	500/512
	X4	1000/1024
	X8	2000/2048
500/512	X1	500/512
	X2	1000/1024
	X4	2000/2048
	X8	4000/4096
1000/1024 (not available for the RCML15p)	X1	1000/1024
	X2	2000/2048
	X8	8000/8192

Mechanical Dimensions



Dsub DE-9P Front Encoder Connector

PIN	FUNCTION	CONNECTION
1	D-Read	Connect to designated pin or pad
2	N/C	Do not connect
3	GNDprog	Connect to encoder GND
4	+Sense	Connect 4 & 5 to encoder +V supply
5	+Vprog	
6	I+	Use I+ and I- for current measurement (internal 0.25Ω1%)
9	I-	
7	+12V	Available for external use
8	GND circuit	

Dsub DE-9S Rear Serial Connector

PIN	FUNCTION
1	N/C
2	Output Data to PC (TD)
3	Input Data from PC (RD)
4	N/C
5	GND
6	N/C
9	Input Signal from PC (RTS)
7	Output Signal to PC (CTS)
8	GND circuit

Ordering Information

PART NUMBER	DESCRIPTION
629739-01	Genie Programmer I
648761-01	USB Cable
648756-01	RS232 Serial Cable
663135-01	RCML15p Encoder Cable
662236-01	R35ip Encoder Cable