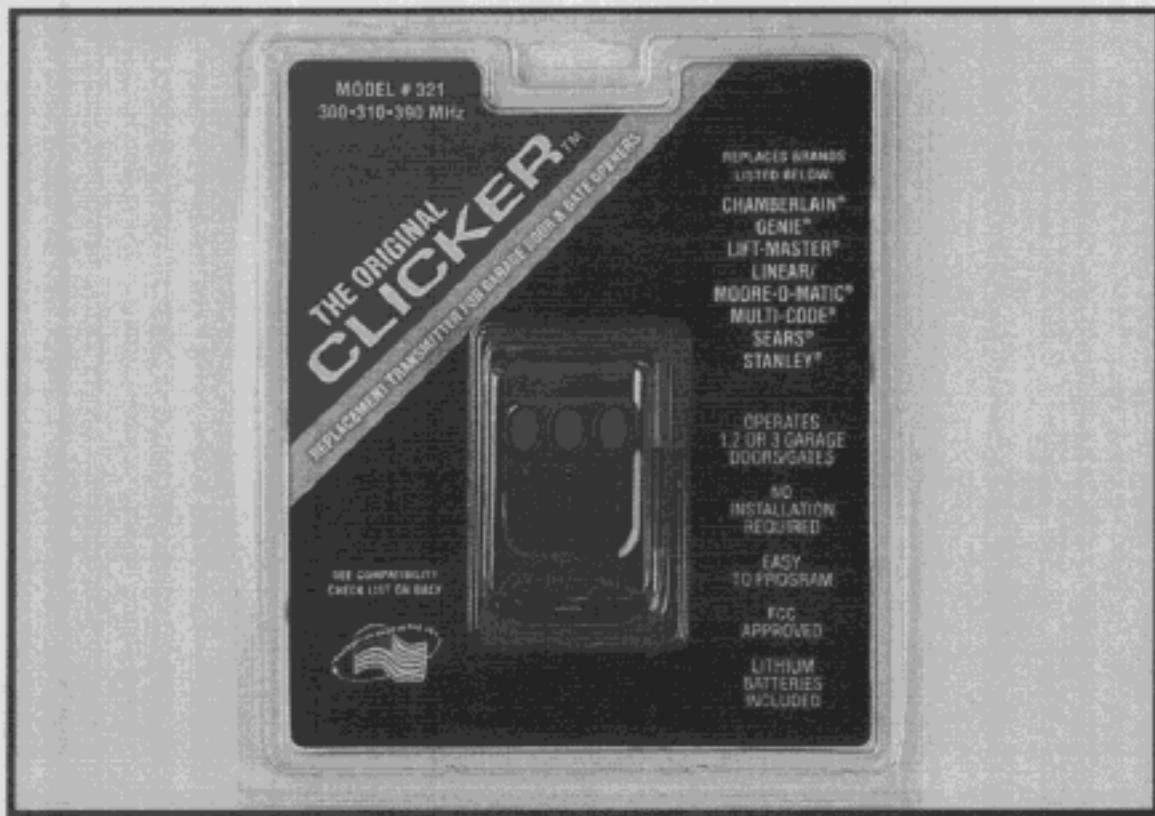


CLICKER™ MODEL #321 Replacement Transmitter For Garage Door & Gate Openers



The CLICKER Model #321 is compatible with most major brands of garage door & gate systems. (see compatibility chart on back)

Operates 1, 2, or 3 Garage Doors/Gates, even if they are different brands

Easy to program-all coding is accomplished through 3 external push buttons

Patent pending coding technology

No installation required

Maximum brand coverage with single Sku

Powered by Motorola microprocessor

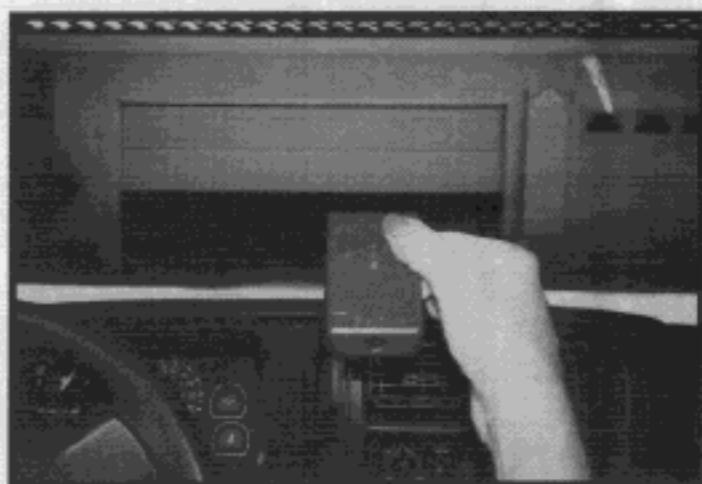
Pocket size

FCC approved

Long life lithium batteries included

One year limited warranty

800 number for technical support



The CLICKER Corporation
938 S. Andreasen, Suite H
Escondido, CA 92029
Phone (800) 442-1255
Fax (760) 745-5901

CLICKER™ MODEL #321 COMPATIBILITY CHART

COMPATIBILITY CHART

REPLACEMENT BRAND	IN USE SINCE (Approx. Year)	TRANSMISSION FREQUENCY
Chamberlain*	1983	390MHz
Genie*	1985	390MHz
Lift Master*	1983	390MHz
Linear/Moore-O-Matic*	1976	310MHz
Multi-Code*	1976	300MHz
Sears*	1983	390MHz
Stanley*	1976	310MHz

The Clicker Model #321 is not designed to be compatible with code rotator type systems, such as Genie Intellicode or Sears Security +.
* Trade Marks of their respective corporations.

The CLICKER Model #321 offers unsurpassed replacement market coverage, filling the needs for millions of consumers. CLICKER is the choice for quality, easy to program transmitters for use with garage door and gate openers.

CLICKER™

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Appendix B

Product Information Form(s)

CUSTOMER INFORMATION				
COMPANY NAME: COMPANY ADDRESS: PHONE NUMBER: FAX NUMBER/E-MAIL ADDRESS: CUSTOMER CONTACT:	THE CLICKER CORPORATION 540 South Andreasen, Suite C Escondido, CA 92029			
	760 745 8822			
	760 745 5901			
	Wayne Hurndon			
PRODUCT DESCRIPTION				
NAME, MODEL, SERIAL # OF EUT: DESCRIPTION OF EUT:	Keypad Remote Transmitter, Model K3 Handheld RF transmitter			
	Components of EUT			
Description	Model Number	Serial Number	FCC ID Number	
--				
OPERATING MODE(S):	13 - 300 MHz; 46 - 310 MHz; 79 - 390 MHz			
I/O CABLES	None			
POWER CORDS	None			
POWER INTERFACE				
FREQUENCY/AC/DC VOLTAGE: PHASES/CURRENT:	9 Vdc battery -- / --			
	OSCILLATOR FREQUENCIES			
FREQUENCY	EUT LOCATION		DESCRIPTION OF USE	
4 MHz	Y1		Input to micro	
POWER SUPPLY				
DESCRIPTION	MANUFACTURER	MODEL #	SERIAL #	SWITCHING/LINEAR FREQ.
--				
POWER LINE FILTERS				
MANUFACTURER	MODEL NO.		QTY.	LOCATION ON EUT
--				
CRITICAL EMI COMPONENTS				
DESCRIPTION	MANUFACTURER	PART # OR VALUE	QTY.	LOCATION ON EUT
--				
DESCRIPTION OF ENCLOSURE:	Plastic slide case			
INTERFACING AND/OR SIMULATORS PERIPHERAL EQUIPMENT:				
DESCRIPTION	MANUFACTURER	MODEL #	SERIAL #	FCC ID
--				
BLOCK DIAGRAM:	See page B3.			

Strategic Advisory Services

6067 Dassia Way
Oceanside, CA 92056
(760) 726-9943

FCC ID: MJNK3

EQUIPMENT DESCRIPTION

The MJNK3 is a single channel remote control transmitter for garage doors and other remote functions. The frequency of operation is 300 MHZ, 310 MHZ, and 390 MHZ to emulate several different brands of garage door transmitters.

Frequencies are user selectable by keypad entry. Factory settings are:

1 2 3 to select 310 MHZ

4 5 6 to select 300 MHZ.

Modulation is provided by a Motorola MC68HC805P18 micro controller chip.

Coding format is user selected by selecting transmitter brand during coding. Linear code - 8 bit format, Stanley or Multi-Code code - 10 bit format, Chamberlain code - 9 bit format and Genie 9 and 12 code.

Code switches are user selected to match the existing garage door receiver switches by means of coded entry.

Continuous output is not possible; operation is only possible after entering PIN and pressing transmit key.

Strategic Advisory Services

6067 Dassia Way
Oceanside, CA 92056
(760) 726-9943

FCC ID: MJNK3

TECHNICAL DESCRIPTION AND CIRCUIT FUNCTION

One 9 volt battery provides 9 vdc. U2 and Q2 regulate B+. Keypad SW1 entries are input to U1 encoder which sets pulse width and generates pulse train. U1 output feeds Q1 {RF oscillator} at 300 MHZ; C9 and circuit board trace provide the RF tank circuit and antenna, at 310 MHZ; C6 adds in the circuit and at 390 MHZ, C7 is switched into the circuit.

C6 is factory tuned to 310 MHZ.

C9 is factory tuned to 300 MHZ.

C7 is factory tuned to 390 MHZ.

No user tuning is required.