Start – Setup Overview

Thank you for your purchase of the Protectrix™ **GA+** Automatic Garage Door Closing Device.

Video - of how to install Protectrix is also available on our web site if you would prefer to watch what it takes. Go to www.protectrix.com then click on "how it works", a video link will appear at the top right hand side called "Installation Video for Protectrix GA+".

Setting up Protectrix **GA+** takes 3 - 10 minutes depending primarily on if you've setup or programmed a remote control for your garage door before.

Step 1 – Open the Protectrix Case

1a) Open the plastic case by pressing the top and bottom tabs together
1b) Pull the front half of the case away from the back half. You will see a 9V battery and electronic circuit boards once the two halves are apart.

Step 2 – Set Frequency Switch

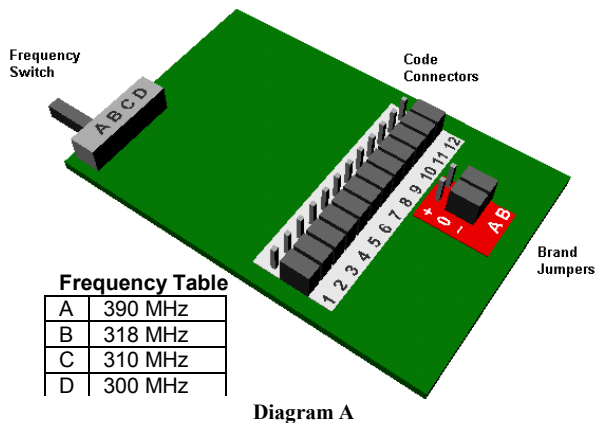**2a)** Locate the frequency switch on the inside of Protectrix (see Diagram A):

Frequency Table

A	390 MHz
B	318 MHz
C	310 MHz
D	300 MHz

Diagram A

2b) Determine the brand of your garage door opener and set the frequency switch to the corresponding position (see Chart 1).

	USA	Canada
Chamberlain®	A	C or A
Lift-Master®	A	C or A
Sears®/Craftsman®	A	C or A
Wayne Dalton®	D or A	C or A
Master Mechanic®	A	C or A
Genie®/Mastercraft®	A	C or A
Overhead®	A	A
Pulsar/Allister/Allstar®	B	B
Linear® MegaCodeTM	B	B
Linear®	C	D
Moore-O-Matic®	C	D
Stanley®	C	D
Multi-Code®	D or C	D
Martec/Teckey®	D	-
Skylink® UR-100	A	A

Chart 1: Frequency Switch Settings

Step 3 – Set Brand Jumpers

3a) Protectrix contains 2 brand jumpers and 12 code connectors (see Diagram C). The brand jumpers are located closest to the battery with markings "A" and "B". There are 2 connectors, one is placed on the "A" column, and the other is placed on the "B" column. For each column, there is a connector. If the connector is placed over the top and middle posts of that column, that

column is set to "+". If the connector is placed over the middle and bottom posts, that column is set to "-" (see diagram C). If the connector is removed completely, that column is set to "0".

3b) In order for Protectrix™ to work with your existing garage door opener (motor), you need to set the brand jumpers based on the brand of your existing garage door opener. Please set these 2 brand jumpers "A" and "B" based on the brand jumper settings in chart 2. Also determine what your next step is from Chart 2, and then ensure the batteries are installed before continuing to step 4 (see the Replacing/Installing Batteries section).
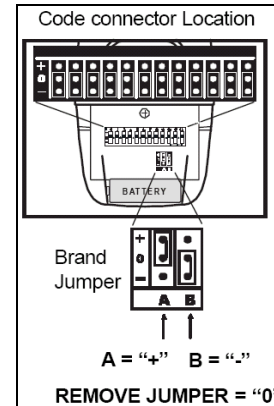

Diagram C: Jumper Locations. Example: A=+ and B=-

Brand	Jumper Setting		Next Step Proceed to
	A	**B**	
Chamberlain®, Sears®/Craftsman®, Lift-Master® or Raynor without DIP switches but with a learn button. Try both jumper setting options (see Diagram D for learn button)	-	+	Step 4A
	0	-	
Genie® Intellicode™, Overhead CodeDodger® (without DIP switches)	+	+	
Genie®, Overhead® (with DIP switches)	0	+	
Chamberlain®, Lift-Master®, Wayne Dalton®, Sears®/Craftsman®, Master Mechanic® (with DIP switches, see Diagram I)	+	-	Step 4B
Stanley®, Multi-Code®, Martec®	-	-	
Linear®, Moore-O-Matic®	+	0	
Pulsar®, Allstar®, Allister®, Linear® MegaCode™	-	0	

Chart 2: Brand Jumper Settings and Next Step

Step 4A – Learn Code

Note Determine if this step is necessary from Chart 2.
4a) You should find a "learn" button on the garage door opener, the unit with the motor located on the ceiling of your garage (see diagram D). Press the learn button for approximately 2 seconds. The LED light beside the learn button will go on, now press the TEST SWITCH button on the front of Protectrix™ to activate. The LED light on the garage door opener will flash then go off. Protectrix™ is now programmed and should be able to open and close your garage door; continue on to step 4.
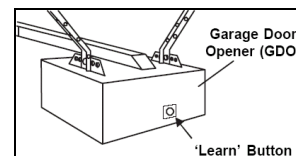

Diagram D: Location of Receiver Learn Button

Step 4B – Set Code

Note Determine if this step is necessary from Chart 2
4b) There are 12 code connectors on 12 columns from 1 to 12 (see diagram E). Each column has one connector (see diagram F). Set the connectors numbered 1 through 12 to match the code setting of your existing transmitter or receiver. There are 2 places you can find out the code setting from a

column of small switches of your existing garage door opener: 1) in your existing transmitter (the remote you currently use to open your garage), or 2) on the receiver of your garage door opener (the unit with the motor mounted on the ceiling of your garage; see Diagram D).
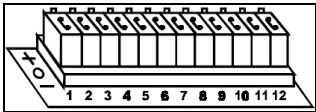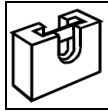

Diagram E: Code Connectors   **Diagram F: Jumper Connector**

If the connector is placed on the top and middle posts, that column is set to "+" or "ON" or "CLOSE". If the connector is placed over the middle and bottom posts, that column is set to "-" or "OFF" or "OPEN". If the connector is removed completely, (not placed on any posts), it is set to "0" or the neutral position (see diagram G for examples of how to set a column to the three different positions). When removing a connector (see Diagram H) to set a column to the neutral position, save the connector in case you change the code at a later date. If your garage door opener has less than 12 code connectors, remove the extra connectors.
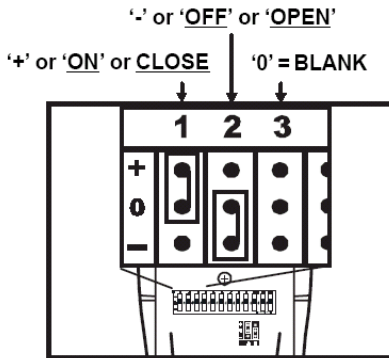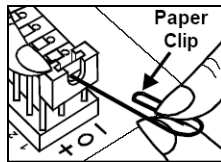

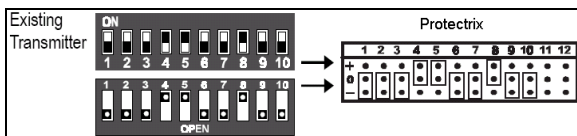**Diagram G: Connector Example Values**

Diagram H: Removing a Jumper

Diagram I: Example of DIP Switches to Jumper Code Connections

Step 5 – Close the Case

5) Replace the front to the back of Protectrix.

Step 6 – Installing

a) Pick an area on the upper part of the Garage Door as shown in Diagram J to install Protectrix. The unit must be mounted so that the text on the **front of the case** is **horizontal** (see that label on front "install this end up" is pointing up).

b) To secure the unit to the garage door; screw the back half of the case to the garage door with two screws. If you do not want to use screws, you can use double-sided foam tape and apply it to the back of Protectrix then stick Protectrix to the garage door. Be careful to ensure that the double-sided foam tape is securely attached to the garage door and Protectrix, if it is not, the unit could fall and open instead of close the garage door.

Caution! If Protectrix™ falls or releases from the garage door, Protectrix™ may inadvertently open the garage door, or never try to close the garage door. Ensure Protectrix™ is firmly attached!

Step 7 – Adjust Delay Time

7) On the front of Protectrix turn the knob to the desired number of minutes that you would like Protectrix to wait before trying to close the garage door. If you select 3 that is 5 minutes, a setting of 7 would make protectrix wait 1hour before closing the garage door.

Note: The maximum possible delay time is 4 hours.
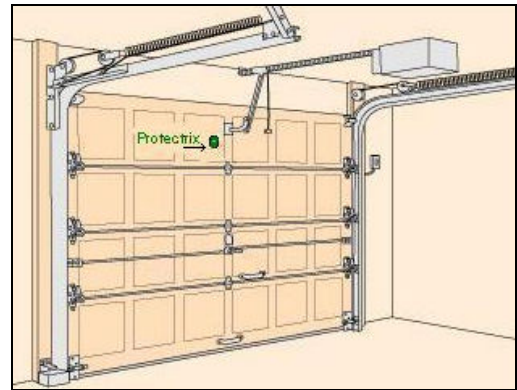*Note: You can turn the system off by selecting Off (0) for the delay time.*

Diagram J: Installation location of Protectrix

Test that Protectrix Works

T1) Test that Protectrix™ is programmed correctly by pressing the big button on the front of Protectrix™. The garage door should open or close when you press this button. If this does not occur, either the remote has not been programmed correctly (proceed back to step 1), or the remote lock switch is on (this is usually next to the button you use to open your garage door and is mounted on the wall inside your garage check your garage door manual for more information), or your battery is not installed or is dead.

T2) Next, test that Protectrix works by leaving your garage door open. The alarm should go off after the set delay time, and will stay on for about 30 seconds. After that the Garage door should close. If the garage door does not close try the test T1 above.

Warning! Test that Protectrix works on your garage door before relying on it, not testing it could mean your garage door will never shut.

If You Want Garage Door to Stay Open

If you would like to keep your garage door open without Protectrix closing the door, you can disable it in one of 3 easy ways:
   a) Turn ON the Lock Switch on your garage door switch. It is usually mounted inside your garage on the wall. Protectrix will still set off an alarm after every delay time but it will not be able to close the door.
   b) Turn the delay switch on the front of Protectrix to Off (0).
   c) Turn the delay switch to a long period of time incase you still forget to close the garage.

Low Battery Alarm

There is a low battery alarm built into Protectrix. The alarm will cause a blink and a beep once every 60 seconds to indicate that the battery is low. If the battery is low proceed to the Replacing/Installing Battery Section.

Replacing/Installing Battery

Protectrix requires a 9-volt alkaline battery (included). Protectrix™ should be tested once a month by pressing the TEST SWITCH button on the front to ensure the battery is okay and the transmitter is communicating properly.

To replace the battery separate the front half of the case from the back as in Step 1, then remove the old 9V battery and replace it with a new 9V battery. Then reassemble the case as in step 5.

Technical Specifications

Battery Type: 9V/Alkaline

Battery Life: approx: 2 years
The lifetime of the battery is determined upon many factors such as: how often the buzzer goes off, how many times Protectrix needs to close the garage door and the temperature. Under typical circumstances the battery can last well over 2 years.

Time until Door Automatically Closes: 1min, 2min, 5min 10min, 20min, 30min 1hr, 2hr, 4hr

Time Alarm Goes off Before Closing Door: 30 seconds

Dimensions: 5in x 2¾ in x 1¼in

FCC Regulations:
Protectrix complies with Part 15 of the FCC Regulations. Its operation is subject to the following two conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference that may cause undesired operation.

Warning!

1) *Never permit children, or those who behave like children, to be alone in the garage or to play with Protectrix™*
2) *Protectrix™ can close the garage door behind you locking you out of your house, be sure to have a way to get back into the house if the garage door is closed on you.*
3) *If Protectrix™ is removed from the garage door and the battery is still installed, the garage door may go up and down unexpectedly. Be sure to turn the Delay Switch to OFF (0) to disable the unit.*
4) *When the battery is low, Protectrix™ may not be able to close the Garage Door, check monthly that Protectrix™ works. Protectrix will beep once every minute if the battery is low.*
5) *If the lock switch on your garage door is on, Protectrix™ will not be able to close your garage door.*
6) *Do not leave anything in the region where the garage door closes, Protectrix™ can not detect any objects in the way of the garage door. Your garage door will stop and reverse, if your garage door does not have those features do not use Protectrix!*
7) *Pressing the button on the Front of Protectrix™ has the same effect as pressing the button on your garage door remote; it can open your garage door, be careful not to press the button unexpectedly.*
8) *Protectrix cannot close the garage door if there is no power to the garage door opener or if something is blocking the garage door from closing!*
9) *If a car is running in the garage, Protectrix may close the garage door causing unsafe levels of CO in Garage.*