

- CODE LEARNING
- SEQUENTIAL LOCKING
- ZONE SECURITY
- DOOR OPEN WARNING
- FLEX SWITCH CAPABLE
- WIRELESS KEYPAD COMPATIBLE

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Pat. Pend

USER MANUAL TO REMAIN IN VEHICLE

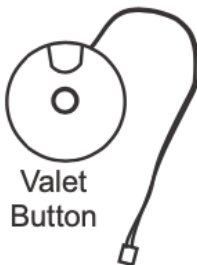
Pro-E: Alarm Features, Key Fob, & Flex Switch Operations are Pat. Pending

Operation Quick Guide

Button	Functions	Conditions
1** Lock Symbol	<ul style="list-style-type: none"> • Security arms\locks all doors • Vehicle locator with sound • Stops alarm temporarily • Locks all doors 	<ul style="list-style-type: none"> • Security is disarmed • Security is armed • Security is triggered • Doors are unlocked
2** Unlock Symbol	<ul style="list-style-type: none"> • Security disarms*** • Unlocks doors in order (relay 1-3*) • Pressing unlock once, unlock relay 1. Press unlock twice unlocks relay 2 and 3* • Turns siren off 	<ul style="list-style-type: none"> • Security is armed • 3C feature is off, Doors are locked • 3C feature is on, Doors are locked • Alarm is sounding

* 3C slave relay equals to relay 1; Actuator Output 1 and 2 equals relay 2 and 3 respectively. **At any time, holding 1 and 2 on fob for 2 seconds triggers panic alarm. ***RS switches active\deactive zone alarming (see page 2)

**T-25
Key Fob**



Valet
Button

Important to Note:

During any programming, press the valet button firmly. Rapid valet inputs are often not detected. (e.g., A valet input of 10 presses will need a minimum of 5 seconds @ 1/2 second between each push.)

FEATURES

Code Learning (Add compatible fob, switches and keypads)

- Turn vehicle ignition to ACC* or power the yellow wire with 12vDC.
- Press valet switch 10 times within 5 seconds. After a second, the siren will sound three times to indicate controller is entering code learning.
- Next, press any button on the transmitter you wish to add within 15 seconds. A siren will chirp to confirmation. The number of chirps will correspond to the key fobs learned (e.g., second key fob learned, siren will chirp twice.) When Programming keypads, it is recommended to press 5,5,5. Battery keypads require you to press a key first to wake up the keypad before entering code. A green light will confirm the signal has been sent to the controller.
- Up to 12 transmitters can be coded and held in memory. After the 12th, the system will drop the first device programmed.
- To wipe the memory, during programming mode, press valet switch once for 3 seconds and the siren will chirp 4 times to confirm that the existing codes have been cleared.
- Time allowed between coding is 15 seconds. If time is over 15 seconds, or ACC* is set off or power is removed from yellow wire, the system will exit programming mode automatically and system will store your current programmed transmitter. If no new transmitter was added, the controller will keep the last programming session in memory.

* ACC - Accessory Power, Using Ignition Switch

Arming Controller

Using a key fob transmitter press button 1 (Lock). The siren will chirp once, unless chirp sound is disabled (see **SELECT FUNCTION.**) The parking lights will flash once, if connected. Doors will lock at a 0.5 seconds or 3.5 seconds duration (see **SELECT FUNCTION.**) The door lock outputs will sequentially lock in order – Relays 1, 2, 3. The valet LED will flash slowly. The controller will disable engine starter, if starter kill relay is connected. After 5 seconds, the alarm is armed. Sensor triggers within this period will be bypassed (refer to **SENSOR BYPASSED WARNING** for details.) **Note:** RS Switch lock button, will arm alarm door triggers but disable shock & ultra-sonic sensors.

Disarming Controller

Press button 2 (UNLOCK) button. The siren will sound chirp 3 times, unless chirp sound is disabled (see **FUNCTION TABLE.**) and the parking lights will flash 3 times. If siren sounds 4 times and lights flash 4 times, it means the alarm has been triggered. If chirp is disabled, only parking lights will flash and no siren will sound. The doors will unlock at 0.5 seconds or 3.5 seconds (see **FUNCTION TABLE.**) All doors will sequentially and automatically unlock if "3C OFF" is selected (see **FUNCTION TABLE.**) Relay unlocking order 1, 2, 3. If "3C ON" is selected, pressing button 2 once will unlock relay 3 only (the external relay.) Pressing button 2 again within 2 seconds, will unlock relay 1, then relay 2. The step and door signal will follow after unlock output is complete, if applicable. The Controller will enable the engine (if starter kill relay is connected.) Dome light will be turned on for 30 seconds unless ACC is ON, then dome lights will turn off immediately. If alarm is in passive arming mode, LED on valet will flash quickly. After 30 seconds alarm will be automatically re-arm.

Emergency Disarming Override

In armed mode, if remote transmitter fails or is lost, please complete the following. Turn ACC* ON. Press valet switch 5 times. The siren will then chirp 4 times. The alarm is then temporarily disarmed. Proceed to follow the **Code Learning** process to add and/or clear transmitters from memory. **Note:** The coding process must begin within 8 seconds or the alarm will arm again.

Smart Locking

Automatic Door Unlock

With ignition ACC* OFF (or yellow wire not powered), in the "3C OFF" mode the doors will automatically unlock in order -- relay 1, 2, 3. In the "3C ON" mode, only the external will unlock (relay 3) will be activated. Relays 1 and 2 will function when pressing transmitter button 2 (unlock) twice rapidly.

Automatic Door Lock

When ignition ACC* is ON (or yellow wire is powered), after 16 seconds all doors will automatically lock in order -- relay 1, relay 2, relay 3.

Valet Mode

To enable valet mode, when ACC* is ON, press and hold the valet button for 3 seconds within 8 seconds the LED will stay on to indicate its enabled. While in valet mode, siren will chirp twice and parking lights will flash twice when the doors lock. To disable valet mode, when ACC* ON, press and hold the valet switch for 3 seconds within 8 seconds the LED will turn off to indicate its disabled. When disabled, the chirp sound is disabled and only the parking lights will flash when the doors locks.

Panic

Press and hold button 1 (lock) and 2 (unlock) on fob (or press and hold the lock button on the RS1 Switch) the siren will sound and parking lights will flash for 30 seconds. Pressing button 1 (lock) or 2 (unlock) will stop the panic.

Vehicle Finder

When the alarm is armed, pressing button 1 (lock) will activate the siren to chirp once while the parking lights will flash 10 times. If alarm chirp is disabled (refer to VALUE FUNCTION section) only the parking lights will flash 10 times. Press button 2 (unlock) to stop vehicle finder.

Auto Rearming (Refer to SELECT FUNCTION 3 & 4)

When the alarm is disarmed, if ACC* is not ON and doors are not open, after 30 sec., the system will automatically rearm.

Door-Opened Warning (Refer to SELECT FUNCTION 6)

If one of the doors is opened when the ignition is ON, the parking lights will flash for 1 minute as a warning to the driver and other vehicles.

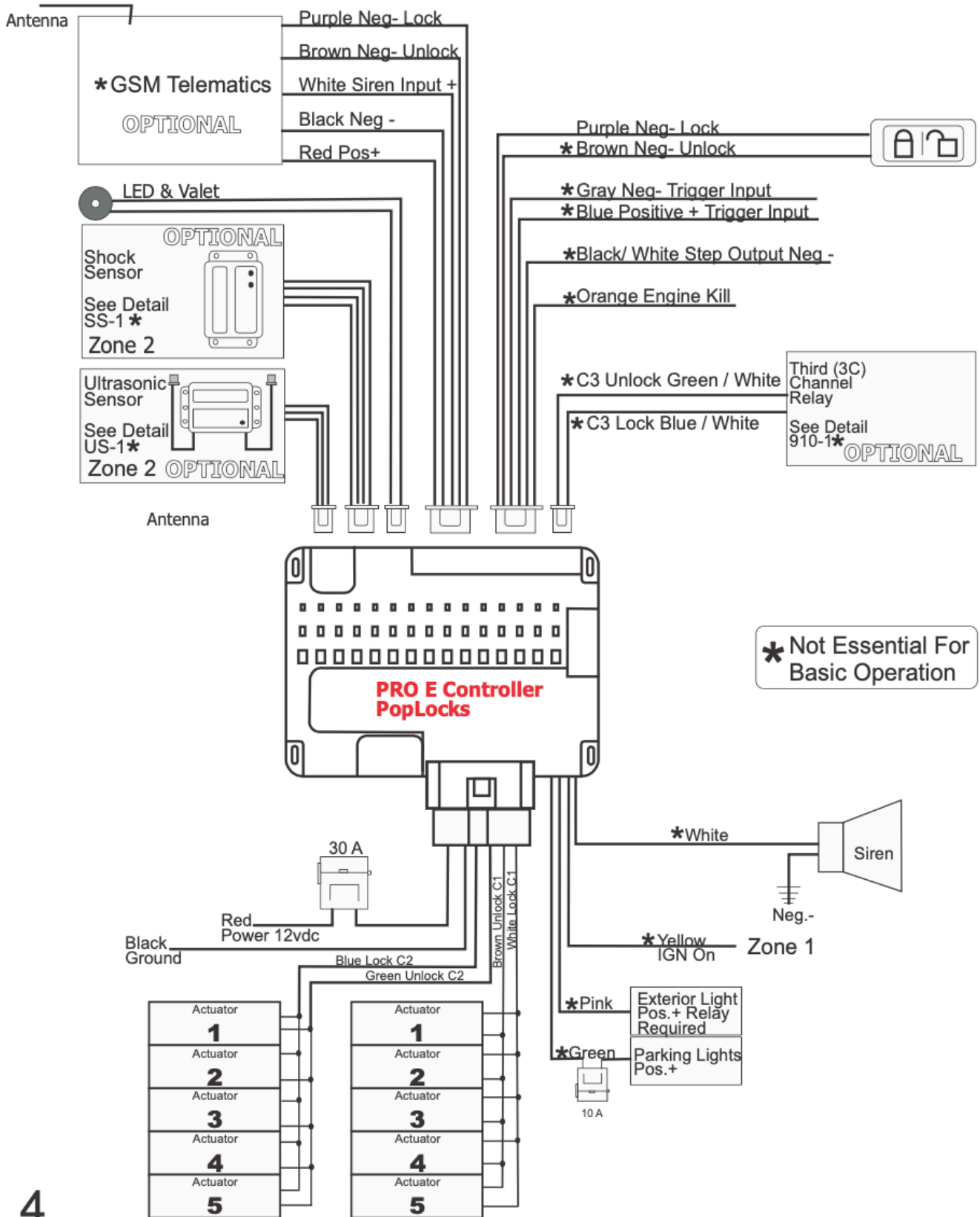
Memory Function

The alarm memory will record the last condition if the power is cut off. This includes Sensor Triggers, such as, LoopNet, Sock Sensor and BID. If any additional sensor using auxiliary input was triggered, the siren will sound for 30 seconds and the parking lights will flash 30 seconds. If door was triggered, the siren will sound for 30 seconds and parking lights will flash for 30 seconds for 3 cycles. If ACC* was turned on (or yellow wire is powered), the siren will sound and parking lights will flash.

Valet LED Conditions

When armed, the LED will flash slowly once a second. If alarm is triggered, the LED will flash quickly. Valet LED will flash quickly when system starts passive arming count down. Refer to Valet Mode Section for more info.

Wiring Diagram



Emergency Parking Lights and Siren Sound

In armed mode, parking lights will flash and siren will sound for 30 seconds for 3 cycles if any alarms are triggered.

3C ON / OFF

If 3C OFF is selected, the sequence of unlock will be relay 1, relay 2, and relay 3. If 3C ON is selected, the sequence will be as followed: press Unlock button once and relay 3 will be activated. Then press unlock button again within 3 seconds and relay 1 and relay 2 will be activated sequentially.

Door and Step Signal Output

Will be a constantly negative output if unlocked, disarmed and ACC* is off.

Sensor Bypass Warning

Press button 1 (Lock) during the first 5 seconds of arming. If any sensor is triggered, that sensor will be bypassed and the siren will chirp twice to confirm. The sensor bypass will deactivate after 2 seconds if no trigger activity.

Function Table and Setup\Change Value Procedures

- Disarm the system
- Turn ignition to ACC* (or power the yellow wire with 12VDC)
- Press valet button 7 times within 10 seconds. If pressed correctly, after 10 seconds the siren will chirp once.
- Turn ignition to OFF (or un power the yellow wire). The valet LED will start flashing slowly.
- Next, press and release the valet button until you reach the select function you would like to change. Every press will make the siren chirp to confirm.
- Turn ACC* ON (or power the yellow wire with 12VDC). The system will confirm the select function value it has changed to. One chirp means the select function is in preset value, two chirps means the select function value is variable setup. Note: operation must be finished within 10 sec.
- Turn ACC* OFF to repeat the above procedure.

SELECT FUNCTION	PRESET VALUE (1 CHIRP)	VARIABLE SETUP (2 CHIRPS)
1. Lock/Unlock Timing	0.5S	3.5S
2. Ignition ON door/lock	ON	OFF
3. Passive Arming	OFF	ON
4. Passive Locking	OFF	ON
5. 3C ON/OFF	ON	OFF
6. Door-Open Warning	ON	OFF
7. Delete Shock Sensor	OFF	ON
8. Arm/Disarm Chirp	YES	NO
10. Reset to Default Value	YES	-

Quick Troubleshooting Guide

Refer to this manual to configure\troubleshoot your Pro E Controller. You can look for revisions to this manual and other troubleshooting tips at our website (<https://www.poplocks.com>.)

Things to keep in mind:

- Confirm power and ground is installed properly to the controller. Increase in power can short the controller. Low voltage will prevent the controller from working.
- Make sure you have a fresh battery in your transmitters. Transmitters require 12V to function correctly. Any lower voltage may prevent the device from responding correctly.
- Make sure wires and contacts used to power lock or manage sensors are clean, conductive, and in working order.

Scenarios And Recommendations

Below are other issues you may encounter. Please refer to page 7 for recommendations.

- If all transmitters stop working (1, 8)
- Replaced transmitter with new battery. Still not working (2, 13)
- All but one transmitter will program (2, 3)
- Original transmitters work but can't add new transmitter (4, 5)
- Keypad won't program but other transmitters do work (6, 7)
- Programming failed using all above methods (8,9)
- Unlocking requires pushing the transmitter twice (10)
- Alarm seems to be going off unnecessarily (11)
- Fob has new battery, red LED comes on, but can't Lock or Unlock (2,9)
- All but one fob some times work sometimes doesn't (13)

Limited Technical Support and Programming Service

If you are unable to resolve your issues with the steps or recommendations in this manual. We encourage you seek a qualified Service Center to provide specialized diagnostics and more. However, if no resolution is met at all, HDC provides a limited support and programming service.

To use our program, email our support team at support@poplocks.com and request an RMA code. Please be sure to explain your issue in advance so we provide proper code. The service is free however, we charge a small \$19.00 fee to cover some administrative costs. We will run our evaluation and programming process. In the event any parts require replacement we waive the fee and only charge for parts. To avoid delays or lost items, please be sure to follow all RMA instructions during the process.

Quick Troubleshooting Guide Recommendations

- 1 - Power interruption. Check fusing and grounding to controller.
- 2 - Battery maybe installed In reverse. May need transmitter replacement.
- 3 - Controller is not entering learning mode. Try again.
- 4 - Powering Ignition or yellow wire is required during learning mode.
- 5 - Timed out. Learning between each transmitter is limited to 5 seconds.
- 6 - Collect all transmitters in close proximity of each other to speed coding timing.
- 7 - Each learned fob extends time by 5 Seconds.
- 8 - Valet button may be bad or damaged. Seek replacement.
- 9 - Controller may be bad. Seek repair or replacement.
- 10 - Refer to manual. See Function Table for 3C Off.
- 11 - Refer to manual sensor bypass. Sensor out of adjustment or broken. Seek repair or replacement.
- 12 - Fob's LED Indicates battery should be ok. At least at close range.
- 13 - Replace battery.

Optional Triggers



Trigger from OEM



Wireless Keypad Entry

Flex Switch
Wireless Rocker
Switch

Optional Security

Shock
SensorDoor open
warningSound
DiscriminatorLoopNet
SecurityBID
Bed Intrusion
Detection