Since its release, the e-Level™ Controller has become the industry favorite for accuracy, reliability, and ease-of-use. It offers the ability to save three unique heights into memory at the touch of a button using TruPosition™ height sensors installed in each corner of your suspension. The key to this technology is its RideMonitor™ Mode; while parked or driving, the system will maintain the vehicle height when loading or unloading passengers or when road conditions change. All of this automatic intelligence is unnoticed by the driver, providing improved ride quality and handling characteristics for any vehicle with Air Suspension. Each system calibrates to the vehicle upon installation and then learns how your Air Suspension behaves over time. This flexibility allows the e-Level™Controller to be used on ANY vehicle and requires NO user tuning.

Operation of the e-Level™ system is simple, yet its features are constantly working to provide you with the perfect ride-height in all conditions. Because the e-Level™ system utilizes height sensors instead of pressure sensors, changes in load are accurately corrected for. The adjustments made by an e-Level™ controller are so accurate that each wheel maintains its height within 1/8th of an inch and actually prevents cross-loading of air springs at a higher accuracy than any other method (Read “Air on Scales”). This is all made possible because the system calibrates to the vehicle upon installation and then learns how your air suspension behaves over time (similar to the technology used in today’s advanced fuel injection systems). This flexibility allows the e-Level™ controller to be used on any vehicle with a wide variety of valve speeds and requires NO user tuning. In addition to managing the height of your air springs, the e-Level™ system also manages your air compressor(s). A 0-200 psi sealed tank pressure sensor lets the ECU know the constant status of the air tank. This eliminates the use of a mechanical pressure switch and lets the e-Level™ system manage your compressor(s) more efficiently. Constant self diagnostics monitor every component in the system and notify the user if a problem occurs. The e-Level™ system also constantly monitors the status of your vehicle’s batteries and automatically turns the compressor(s) OFF if the system voltage drops below 10.5 volts.
**Height Selection Rocker Switch:**

1. **Dump/Kneel**
   - Factory set 10%, user re-savable
2. **Ride Height**
   - Factory set 50%, user re-savable
3. **Raised/Clearance**
   - Factory set 90%, user re-savable

A hidden program button is included to make manual adjustments, saving new favorite heights, and changing system preferences simple from inside the vehicle.

**Rocker Switch Interface:**

When mounting space and cost are paramount, the Rocker Switch Interface is a simple, yet effective solution. The primary function of the Rocker Switch is to access your three saved heights pressing UP or DOWN to raise or lower between saved heights (current vehicle height is indicated by red and green LED lit arrows). A small program button (usually hidden under the dash) allows you to toggle through functions like manual control over each air spring individually, manual control over front and rear air springs in "pairs", Re-Saving each of your heights, and adjusting system preferences.

**Technical Specifications:**

- **Compatible Suspension Type**: 4-Corner Full Air Suspension (any brand, any vehicle)
- **No. of Savable Heights**: 3 & All-Down
- **Voltage Requirements**: 9.5-16 Volts
- **Current Requirements**: 15 Amps (Max)
- **Valve Output**: (8) 12-volt solenoid valves up to 3 Amps each (any brand)
- **Compressor Output**: 3-Amps Max
- **Tank Pressure Range**: 110 psi ON; 150 psi OFF
- **Connectors**: IP67 certified (immersion up to 3 ft)
- **Position Accuracy**: 1/8” at wheel while parked or driving
- **Leveling Response Time**: 5 seconds parked / 45 seconds driving
- **Auxiliary Device Compatibility**: - TouchPad™ Interface
  - Rocker Switch Interface
  - Wireless Key-Fob Module
  - (4) Universal "GND-trigger" Inputs for use with customer supplied alarm, or other device. Triggers 3 Heights & All-Down

- **Compatibility available upon request**: - Horizon Leveling Module
  - CANbus protocol for use with customer specific interfaces

**Kit Includes:**

<table>
<thead>
<tr>
<th>Description</th>
<th>Qty</th>
<th>PN</th>
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</thead>
<tbody>
<tr>
<td>Electronic Control Unit (ECU)</td>
<td>1</td>
<td>AA-EC4</td>
</tr>
<tr>
<td>Rocker Switch Interface &amp; Main Harness w/ built in fuses (20 ft)</td>
<td>1</td>
<td>AA-H-MAIN-RSW</td>
</tr>
<tr>
<td>Ride Height Sensors w/ Linkage</td>
<td>4</td>
<td>AA-SENSKIT</td>
</tr>
<tr>
<td>4-Corner Height Sensor Harness (20/20/16/16 ft)</td>
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<td>AA-H-SENS4</td>
</tr>
<tr>
<td>4-Corner Solenoid Valve Harness (1 ft Pigtail)</td>
<td>1</td>
<td>AA-H1-ECV4-P</td>
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<tr>
<td>0-200 psi Tank Pressure Sensor</td>
<td>1</td>
<td>AA-PSENS-200</td>
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<tr>
<td>Stainless Steel Mounting Hardware Package</td>
<td>1</td>
<td>AA-HW-ELS-RSW</td>
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<tr>
<td>Illustrated Installation &amp; Operation Manuals</td>
<td>1</td>
<td>AA-INST-ELS4-RSW</td>
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**Optional Accessory Items:**

<table>
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<tr>
<th>Description</th>
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<th>PN</th>
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<tbody>
<tr>
<td>Wireless Key-Fob Module</td>
<td>1</td>
<td>AA-RF-FOB</td>
</tr>
</tbody>
</table>
e-Level™ Electronic Leveling System
4-Corner Package w/ Rocker Switch

AA-ELS4-RSW

Dimensions In Inches (Not To Scale)  
ROCKER SWITCH

Dimensions In Inches (Not To Scale)  
TANK PRESSURE SENSOR

Dimensions In Inches (Not To Scale)  
RIDE HEIGHT SENSOR

Dimensions In Inches (Not To Scale)  
ECU

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