Improve Your Fuel Economy
With Advanced Shifting Technology

FUELSENSE® 2.0 With DynActive™ Shifting

Allison Transmission
Now Customize Your Fuel Savings And Performance Even Further

Much of Allison’s continued success has come from building transmissions tailored to specific applications rather than a one-size-fits-all approach. FuelSense®, Allison’s highly popular package of fuel-saving features, simply refined efficiency even further. Nearly half of all Allison transmissions delivered today are equipped with FuelSense—and this number continues to grow. Now, Allison has taken this customization to a new level, giving vehicle builders more flexibility to offer the right blend of performance and fuel economy for their specific application.

Welcome To FuelSense® 2.0 With DynActive™ Shifting

Through a set of proprietary software enhancements, FuelSense® 2.0 provides an infinitely variable combination of shift points. Rather than relying on fixed points on a shift table, FuelSense 2.0 uses a learning algorithm to continuously find the ideal balance of fuel economy and performance for your duty-cycle helping your vehicle operate more efficiently.
Increase Your Profitability 
And Your Vehicle’s Value

Our original FuelSense® technology helped customers gain a significant increase in fuel economy with its innovative features. The next in a long line of proprietary innovations from Allison, FuelSense® 2.0 improves fuel economy while maintaining the long-established Allison advantages of superior performance, industry-leading reliability and a low total cost of ownership. FuelSense 2.0 has demonstrated the highest potential fuel savings in demanding duty-cycles of city bus, school bus, refuse, construction and distribution applications because of their heavy start-stop needs.

Fuel Economy Improvements*
In Fleet Testing

<table>
<thead>
<tr>
<th>Category</th>
<th>Fuel Economy Improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distribution</td>
<td>+ 6.3%</td>
</tr>
<tr>
<td>Refuse</td>
<td>+ 6.0%</td>
</tr>
<tr>
<td>Transit</td>
<td>+ 4.3%</td>
</tr>
<tr>
<td>Construction Dump</td>
<td>+ 2.0%</td>
</tr>
</tbody>
</table>

*Over current production baseline.

NEARLY
3,000,000
TEST MILES IN
CUSTOMER FLEETS
Features

FuelSense® 2.0 presents new and upgraded FuelSense® features to provide even more precise balancing of fuel economy and performance:

DynActive™ Shifting — This new innovative shift scheduling uses an algorithm to choose the most efficient shift point, based on your specifications, vehicle and environmental parameters. Older shifting technologies use shift schedules with fixed shift points.

Neutral at Stop — This feature trims fuel consumption and emissions by reducing or eliminating the load on the engine when the vehicle is stopped. There are two versions of Neutral at Stop:

• Standard – Provides partial (first-level) neutral at stop.
• Premium – Provides full neutral at stop and a new, low-speed coasting capability.

Both versions lock the output while stopped to prevent rollback.

Acceleration Rate Management — A feature that mitigates aggressive driving by automatically controlling engine torque. Newly updated, in addition to five levels of control, it provides more precision by limiting vehicle acceleration to a customized calibrated rate.

1 Available in FuelSense® 2.0 Max only.
FuelSense® 2.0 Max with DynActive™ Shifting
Includes both Neutral at Stop and enhanced Acceleration Rate Management features. Not only can you save fuel when your vehicle is stopped, you can limit vehicle acceleration to a rate set just for you.

FuelSense® 2.0 Plus with DynActive™ Shifting
Adds an improved Neutral at Stop, which reduces the load on the engine when the vehicle is stopped for additional fuel savings.

FuelSense® 2.0 with DynActive™ Shifting
Our standard package of FuelSense features gives you infinitely variable shift scheduling instead of traditional table-based scheduling.

3 Packages From Which To Choose
FuelSense® 2.0 allows you to select the appropriate fuel-saving features that are right for your fleet.
### FUELSENSE® 2.0

#### Economic Value

<table>
<thead>
<tr>
<th></th>
<th>Distribution</th>
<th>Transit</th>
<th>Construction Dump</th>
<th>Refuse</th>
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</thead>
<tbody>
<tr>
<td>Annual Miles</td>
<td>50,000</td>
<td>60,000</td>
<td>50,000</td>
<td>6,000</td>
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<tr>
<td>Fuel Price Per Gallon</td>
<td>$2.20</td>
<td>$2.20</td>
<td>$2.20</td>
<td>$2.20</td>
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<tr>
<td>Baseline MPG</td>
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<td>6.50</td>
<td>6.75</td>
<td>1.48</td>
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<tr>
<td>Baseline Annual Fuel Cost</td>
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<td>$20,308</td>
<td>$16,296</td>
<td>$8,919</td>
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<tr>
<td>FuelSense 2.0 Savings</td>
<td>6.3%</td>
<td>4.3%</td>
<td>2.0%</td>
<td>6.0%</td>
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<tr>
<td>FuelSense 2.0 MPG</td>
<td>7.62</td>
<td>6.78</td>
<td>6.89</td>
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<tr>
<td>FuelSense 2.0 Annual Fuel Cost</td>
<td>$14,436</td>
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<td>Annual FuelSense 2.0 Advantage (Per Vehicle)</td>
<td>$906</td>
<td>$839</td>
<td>$331</td>
<td>$511</td>
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<tr>
<td>CO₂ Reduction (Metric Tons)</td>
<td>4.05</td>
<td>3.73</td>
<td>1.42</td>
<td>2.25</td>
</tr>
</tbody>
</table>

Calculations based on real-world fleet testing results over the current production baseline. Actual results may vary. Contact your Allison Transmission representative for more information.
The **Allison Promise**

Provide the most reliable and valued propulsion solutions in the world to enable our customers to work more efficiently.

**Quality**  
**Customer Focus**  
**Integrity**  
**Innovation**  
**Teamwork**
From our headquarters in Indianapolis, Indiana, USA, to our manufacturing plants in Hungary and India, to approximately 1,400 Allison Authorized Distributors and Dealers around the globe, you are never far from the products, training, service and support you demand.

Our support starts from the moment an Allison transmission is specified. We work with you to ensure that the model and ratings fit your engine to create a tailored package of powerful performance and reliable efficiency. When you need parts or service, you can count on global access to factory-trained specialists and Allison Genuine Parts™.