




# Yale Reliant™ Proximity Detection **PD**

Yale Reliant is a robust technology suite designed to reinforce lift truck operating best practices and support operator awareness.

Yale Reliant **Advanced Dynamic Stability (ADS)** continuously monitors the combined center of gravity of the lift truck and the load it carries to automatically apply carefully measured performance adjustments to avoid abrupt shifts or jerks that can upset stability.

Combined with ADS, **Proximity Detection (PD)** provides 360° detection of other trucks and badged pedestrians. The system is governed at a maximum speed of 5 mph; when the system is active, it will bring the vehicle to a controlled crawl speed of 1.5 mph. Utilizing speed requirements helps improve operator and pedestrian awareness while keeping the operator in control of the lift truck.

Yale Vision™ wireless monitoring level 1 is required when ordering Yale Reliant.

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## BENEFICIAL USE CASES



### **Advanced Dynamic Stability** (traction & hydraulic controls)

ADAPTIVE SPEED CONTROLS

ADAPTIVE FORK & LOAD CONTROLS



### **Proximity Detection** (360° field of view)

TRUCK-TO-TRUCK ASSIST

TRUCK-TO-PEDESTRIAN ASSIST

TRUCK-TO-BEACON ASSIST





# Yale Reliant™ Object Detection **OD**

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Yale Reliant **Advanced Dynamic Stability (ADS)** continuously monitors the combined center of gravity of the lift truck and the load it carries to automatically apply carefully measured performance adjustments to avoid abrupt shifts or jerks that can upset stability.

Combined with ADS, **Object Detection (OD)** detects objects when traveling forks trailing. The system is governed at a maximum speed:

- Class 1 sit-down counterbalanced: 5.5 mph forks trailing and 8 mph forks leading
- Class 1 3-wheel stand: 5 mph forks trailing and leading
- Class 2/3: 5 mph forks trailing and leading

When the system is active, it will bring the vehicle to a controlled crawl speed of 1.5 mph. Utilizing speed requirements helps improve operator and pedestrian awareness while keeping the operator in control of the lift truck.

## BENEFICIAL USE CASES



### Advanced Dynamic Stability (traction & hydraulic controls)


ADAPTIVE SPEED CONTROLS  
ADAPTIVE FORK & LOAD CONTROLS



### Object Detection (within the path of travel with forks trailing)

TRUCK-TO-TRUCK ASSIST  
TRUCK-TO-OBJECT ASSIST  
TRUCK-TO-PEDESTRIAN ASSIST

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**Yale**   
LIFT TRUCK TECHNOLOGIES

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