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FROM: Derrick Mashaney, Kansas City

SUBJ: Loop Detectors for the FB2550 instruments

Fairbanks is pleased to announce the release of a new feature for the FB2550 instruments — standard Loop Detector interface and accessories. This feature will allow you to configure FB2550 desktop instruments and Driver Assist Terminals to work with embedded Loops through the Loop Controller Accessory.

The Loop Detector interface is now part of the application in all FB2550s using revision 4.3 or higher software. Revision 4.3 software began shipping on August 29, 2013.

Updates have been made to the eCatalog, eCatalog update notifications have been emailed, and new PDFs are posted on the Intranet. The Loops and Loop Detector Controller pricing and specifications are located with the FB2550 DAT accessories in the DAT section of the HC eCatalog. Sample layout reference drawings have been added to the HC eCatalog reference section as well.

Please review the following pages for a brief overview of this feature and sample configuration screens.



If you have any questions, concerns, or comments feel free to give me a call at 816-448-4249 or by e-mail dmashaney@fairbanks.com.

Sample Weigh Screen Feedback

Loop Detector

Configure for one (1) or two (2) Loops.
Approach only or Approach and Exit.

HOME	BACK: TRAFFIC LIGHT CONTROL	Traffic Light: Scale 1
AUDIT TRAIL	Traffic Light:	1-Traffic Light Automatic
OPERATOR MENU	Barrier/Gate:	Disabled Automatic
SERVICE MENU	Loop Detector:	2-Loops
EXPANSION CARDS	Zero on Approach:	Yes
RETURN TO WEIGHING	Inhibit if Active:	Yes
	Complete Cycle:	No
<input type="button" value="SAVE CHANGES"/> <input type="button" value="PAGE FORWARD"/>		

ZERO ON APPROACH

Option to force a ZERO on the scale before allowing a vehicle to enter the scale platform.
Requires traffic lights.

This is done to ensure the scale is at ZERO before each weighment. This is a requirement in many states for DAT applications.

The Cycle of Operation when ZERO ON APPROACH is enabled =

1. Traffic light is **RED**.
2. Vehicle pulls on scale approach, over embedded Loop.
3. Loop senses vehicle and instrument performs a ZERO.
4. Traffic light changes to **GREEN**.
5. Vehicle pulls on scale.
6. Traffic lights now function based off configured threshold weight and selected time delay.

HOME	BACK: TRAFFIC LIGHT CONTROL	Traffic Light: Scale 1
AUDIT TRAIL	Traffic Light:	1-Traffic Light Automatic
OPERATOR MENU	Barrier/Gate:	Disabled Automatic
CONFIGURATION MENU	Loop Detector:	2-Loops
EXPANSION CARDS	Zero on Approach:	Yes
RETURN TO WEIGHING	Inhibit if Active:	Yes
	Complete Cycle:	No
<input type="button" value="SAVE CHANGES"/> <input type="button" value="PAGE FORWARD"/>		

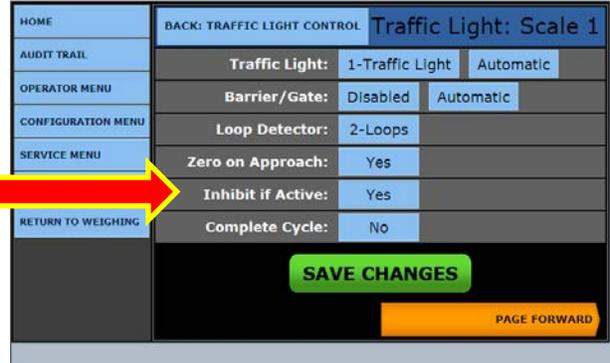
Enable Weight

This setting determines at what weight the FB2550 will "reset" to be ready for the next vehicle.

HOME	BACK: SERVICE OPTIONS	Zero Mode
AUDIT TRAIL	Zero Switch:	Enabled
OPERATOR MENU	Zero Range:	100 % 2% 100%
CONFIGURATION MENU	Enable Weight:	100
EXPANSION CARDS		
RETURN TO WEIGHING		
<input type="button" value="SAVE CHANGES"/>		

INHIBIT IF ACTIVE

Option to prevent the FB2550 from outputting to a PC or printing a ticket if a Loop is active (vehicle is sensed over a Loop).

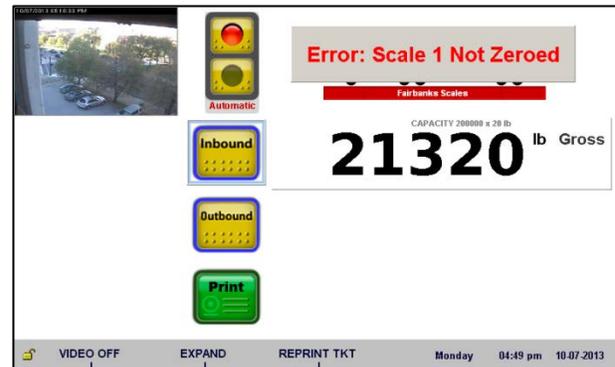


The screenshot shows the configuration menu for 'Traffic Light: Scale 1'. The 'INHIBIT IF ACTIVE' option is highlighted with a red arrow pointing to its 'Yes' value. Other settings include 'Traffic Light: 1-Traffic Light', 'Automatic', 'Barrier/Gate: Disabled', 'Automatic', 'Loop Detector: 2-Loops', 'Zero on Approach: Yes', and 'Complete Cycle: No'. A green 'SAVE CHANGES' button and an orange 'PAGE FORWARD' button are visible at the bottom.

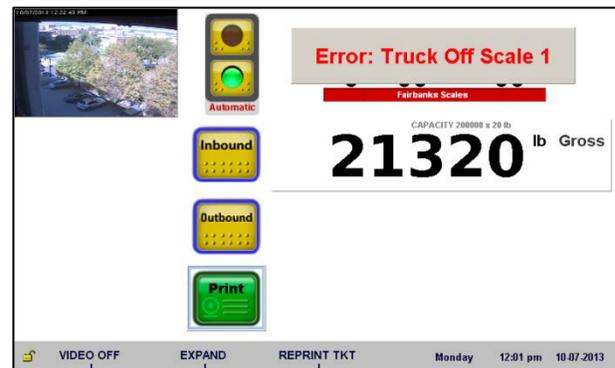
HOME	BACK: TRAFFIC LIGHT CONTROL	Traffic Light: Scale 1
AUDIT TRAIL	Traffic Light:	1-Traffic Light Automatic
OPERATOR MENU	Barrier/Gate:	Disabled Automatic
CONFIGURATION MENU	Loop Detector:	2-Loops
SERVICE MENU	Zero on Approach:	Yes
RETURN TO WEIGHING	Inhibit if Active:	Yes
	Complete Cycle:	No
		SAVE CHANGES
		PAGE FORWARD

Sample Weigh Screen Messages

If **ZERO ON APPROACH** is enabled, if a vehicle pulls on the scale without following the traffic light direction and a weighment is attempted, the FB2550 will display this message.



If a weighment is attempted before the vehicle is fully on the scale or if the vehicle is too far forward, activating the exit Loop, the FB2550 will display this message.



Once a "TRUCK OFF SCALE" message is displayed, when the Loop no longer senses the vehicle, the FB2550 will display this message.

This message is very brief and will only appear for a moment, if at all, depending on the application.



Once a "TRUCK OFF SCALE" message is displayed and the Loop no longer senses the vehicle, and motion is slowing, the FB2550 will display this message.

This message is very brief and will only appear for a moment, if at all, depending on the application.

