

820i Stop/Go Remote Display

Date: 04/12/13

Software PN 154641

Version: 1.00

Software Installation



1.0 Scope

The 820i with custom programming is used to toggle the traffic light status on a Rice Lake Weighing Stop/Go remote display.

2.0 Feature Descriptions

This feature was created and tested using version 1.06 of the 820i firmware and 3.4.2.0 of the Revolution III software. It is recommended to use this firmware when running this application. Files to be downloaded to the 820i are PN154641.rev (configuration file) and PN154641.cod (compiled version of the source code). **After a successful download, the 820i needs to be power cycled.**

3.0 Sequence of Operation

Using the Red Light/Green Light softkey

1. Upon power up and when exiting the 820i configuration menu, the program will display the *Red Light - Weigh In - Weigh Out - Truck Regs - Time/Date* softkeys and turn the traffic signal Red.
2. As the operator presses the *Red Light/Green Light* softkey, the program will change the status of the remote display traffic light. The softkey text will reflect the current status of the traffic light.
3. Note that “*Print Queued*” may be displayed each time the *Reg Light/Green Light* softkey is pressed.

4.0 Serial Communications - Tickets, PC

- The ticket will be transmitted out of Port 2 to a TM-U295 printer. The format can be modified through the 820i front panel or by using a PC application called Revolution. Reference PN 93018 (*820i Installation Manual*) for more information on ticket formats and truck modes (default = Truck Mode 2).
- Auxiliary Print Formats (used to change traffic signal)
 - Auxiliary Print Format 1 is used to store the Green Light serial command.
 - Auxiliary Print Format 2 is used to store the Red Light serial command.
 - Setpoint Format is also used to store the Red Light serial command. A free running setpoint #1 (Gross default = 2000 lb) prints the setpoint format which turns the traffic signal red and changes the *Red Light/Green Light* softkey text to *Red Light*.

This program does not utilize a database table.

5.0 Hardware Setup

Option Card Locations	
Slot #	Type
1	Currently not used

Digital I/O			
Slot	Bit	Type	Function
0	1-8	OFF	Currently not used

Serial Port			
Port #	Type	Description	Setup
1	—	PS/2 Keyboard (Optional)	—
2	CMD	Epson TM-U295 Ticket printer	9600, 8, N, 2
4	CMD	Rice Lake Weighing Stop/Go remote display	9600, 8, N, 2

6.0 Version Changes

Version	Changes	Date	ECO/WO	Firmware
1.00	Initial Release	04/12/2013	—	1.06.00
DOWNLOAD: SC = Standard configuration T = Ticket formats SP = Setpoints COD = Program				



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