

920i Remote Display

Software – Stop/Go Lights

The 920i with this iRite program is used to toggle the traffic light status on a Rice Lake Weighing Stop/Go remote display.



Manuals and additional resources are available from the Rice Lake Weighing Systems website at www.ricelake.com

Feature Descriptions

This feature was created and tested using the 920i firmware (version 5.11) and iRev software (version 5.10.4)

It is recommended to use this firmware when running this application. Download the files and upload the files to the 920i Weigh Indicator: PN202195_920i.rev (configuration file) and PN202195_920i.cod (compiled version of the source code).



Note After a successful download, the 920i Weigh Indicator must be power cycled.

Sequence of Operation

Using the Red Light/Green Light Softkey

1. Upon power up and when exiting the 920i **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.



Note Print Queued may display each time the *Reg Light/Green Light* softkey is pressed.

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 920i front panel or by using the PC application, Revolution. Reference the 920i Programmable Indicator/Controller Technical Manual (PN 67887) 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) transmits the setpoint format which turns the traffic signal red and changes *Red Light/Green Light* softkey text to *Red Light*
- This program does not utilize a database table

Hardware Setup

Option Card Locations	
Slot	Type
1	Single Channel A/D

Table 1. Option Card Locations

Digital I/O			
Slot	Bit	Type	Function
0	1-6	Off	Currently not used

Table 2. Digital I/O

Serial Port			
Port	Type	Description	Setup
1	CMD	Epson TM-U295 Ticket Printer	9600, 8, N, 2
2	CMD	Not in use	–
3	CMD	Not in use	–
4	CMD	Rice Lake Weighing Systems Stop/Go Remote Display	9600, 8, N, 2

Table 3. Serial Port

Version Changes

Version	Changes	Date	ECO/WO	Firmware
1.00	Initial Release	07/31/2020	–	5.11.00
DOWNLOAD: SC = Standard configuration T = Ticket formats SP = Setpoints COD = Program				

Table 4. Version Changes



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230 W. Coleman St. • Rice Lake, WI 54868 • USA
 U.S. 800-472-6703 • Canada/Mexico 800-321-6703 • International 715-234-9171 • Europe +31 (0)26 472 1319