

## INTERCOMP LD820 SCALE SYSTEM FOR MINDEN



The image shows a rectangular stainless steel scale display with a blue background. At the top left is a power button icon and the text 'LD820™'. At the top right is the 'Intercomp' logo. The main display area shows 'lb' on the left, 'GROSS' in the center, and a large digital number '2855'. Below the display is a keypad with buttons for '1-9', '0', 'F.A.', 'ARC', 'DEF', 'CLEAR', 'LIMB', 'CAR', 'JUL', 'MRO', 'STOP', 'RELEASE', 'PCRS', 'TUV', 'MEXI', and 'STOP STOP'.



A vertical stainless steel scale column with a cylindrical top section and a mounting bracket on the side.




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**“PLUG AND PLAY” WITH CURRENT PATRIOT SYSTEM**

1. “Plug & Play” Works with Existing Harness and System
2. Works with Existing Wireless Control
3. Digi-Star Load Cell Interchangeable with Intercomp 2.125 ND Load Cell



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## Bluetooth Features

- **Future Remote diagnostics**
- Free iExactWeigh GTN App
- Free iAgWeigh Grain Cart App
  - Automatically Records Each Load
  - Accurately and Easily Manage Harvest Results
  - Creates CSV file
  - iOS Compatible
  - Optional Gate Control





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## AUTO DISPENSE PROCESS

1. Set Toggle Switch to Auto
2. Press UNLOAD
3. Most Recent Target Weight is display (Default is 100 lbs.)
4. If Correct Weight is Displayed Press enter
  - a) Change Target weight with numeric keypad and press enter
5. PREACT IS BRIEFLY DISPLAYED before showing most RECENT PREACT weight setting (Default is 20 lbs.)
  - a) If correct PREACT is displayed press Enter
  - b) Change Target weight with numeric keypad and press enter



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## SPLIT UNLOAD



Allows customer to evenly split weight on planter boxes/Central Fill tanks

### 1. Press RM Button

- a) Screen Display S.LOAD briefly followed by weight to be split
- b) Weight can be edited by keypad Press STORE/ENTER once desired weight is entered
- c) Screen will briefly display SPLIT and number of rows/tanks displayed
- d) Number of row boxes/tanks can be edited by keypad Press STORE/ENTER once desired number is entered
- e) Screen briefly displays UNLOAD followed by Split unload weight
- f) Use Wireless Remote to start unloading process



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## BIN/PRO BOX TRACKING CODE 1020 SETUP

The customer has an option to track individually ProBox/Bin Weight

### 1. CODE 1020

- a) BINS is displayed press MENU/SETUP
- b) Current Bin Quantity is displayed Press Edit Quantity and press MENU/SETUP



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## BIN/PRO BOX TRACKING



### 2 Pro Box Example

1. Use the BIN button to toggle between Pro Boxes
2. Display will toggle between Weight on Bin and Bin Number
3. 2 Methods to Enter Bin Weight
4. Apply Weight to Scale when Bin Number is displayed
5. Manual Entry of Bin Weight
  - a) Press & Hold BIN button until a 6 dashed Line - - - - - appears
  - b) Enter in Weight
6. **\*\*Note\*\***: ZERO button will not function while in Bin Weigh Viewing Mode.
7. ZERO in Bin Mode: Press BIN button until Gross Weight is displayed and hold down Zero button
  - a) Note Gross will zero but Bin weights will be unchanged



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## INTERCOMP QUICK ACCESS CODES

All Scale settings have a 4 digit access code

1. To use Access Code Press Menu/Set Up button and \*MENU\* will be displayed
2. Enter in 4 digit Quick Access Code and press Store/Enter
3. You will now be able to edit the selected scale setting



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## MINDEN CUSTOM CODE 714

This setups up LD820 to be "Plug & Play" with Current Digi-Star ST3410

### 714 Menu Entry Process

1. Press MENU/SETUP AND \*MENU\* Is displayed
2. Enter 714 and Press MENU/SETUP
3. DEFALT Is displayed momentarily and then 0 is displayed
4. Enter in 714 and press MENU/SETUP
5. SAVE Is displayed and the LD820 will return to weight display



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## FIELD WEIGHT CALIBRATION ALL INDICATOR MODELS

1. Steps for verifying Calibration after install
2. Recommend loading scale to at least 25-50% of expected capacity
3. 0031 to access Field Cal Process
  1. DISP.LD: Enter current weight on display
    - a) Defaults to showing current weight
  2. CERT.LD: Enter Certified/Verified Weight
    - a) This is the known weight applied to the scale system
  3. Calibration Adjustment will automatically be completed

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## FIELD CAL FACTOR CODE 0030



### FLD.FAC Display Code 0030

1. When new Code Cal 0021 is entered Field Cal Factor = 1.0
2. When Field Calibration Code 0031 is used the Field Cal Factor adjusts according
3. Recommend Recording this number once system is achieving target accuracy of 1% of applied load or better
4. If Customer ever needs to service or replace LD820 they can simply enter in this Field Cal Factor to get the system dialed in
  - a) This eliminates the need to go through Field Weight Cal Process gain



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## AVERAGE RATE



**LD820 updates at 10 HZ**

### A.rt (Average Rate) Code 1050

Represents Number of readings averaged for each update

1. AVE. RT(Average Rate) Code 1050
  - a) LD820 Updates at 10Hz (10 times a second)
  - b) Default is 30 = 3 seconds of averaging)
  - c) 10 times a second the weight is updated with the average weight of the last 23 seconds
  - d) Some customers might Prefer 40 (4 seconds)
  - e) Can Update 714 Code to higher than 30 if needed



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## LOAD CELL DIAGNOSTICS

1. LD820 will display LC Err
2. Unplug load cells 1 at time until error clears out
3. Error will display if No load cells plugged
4. Error will remove when only 1 good load cell plugged
5. If Error does not clear out contact Intercomp Service for additional diagnostic steps



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## LOAD CELL DIAGNOSTICS STEPS

1. Visually inspect connector and cable
  - a) Make sure cable is not cut, kinked or damaged
  - b) Connector is sound and intact without any moisture ingress
2. If nothing is found on visual inspection can open "Field Installable" M12 Connector to check individual wire connections
  1. Unscrew strain relieve
  2. Unscrew Shell and visually review wire connections



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## INTERCOMP SERVICE & WARRANTY PROCESS

Call: Intercomp Service 763-476-2531

Email Service: [customerservice@intercompcompany.com](mailto:customerservice@intercompcompany.com)

Via Intercomp Website: <https://www.intercompcompany.com/service-contact.html>

When Contact Customer Service Please Provide

1. Business Name and Contact Info
  - a) Minden Intercomp Customer Number: C50447 (This is helpful but not required)
2. Product Name Description
  - a) Intercomp Part Numbers
  - b) Serial Numbers if product has SN

Billy Folkerts Direct: 763-404-3717 or [billyf@intercompcompany.com](mailto:billyf@intercompcompany.com)

