

### Step 1: Mount the Bracket Assembly

1. Remove all bolts connecting the leg to the footpad. Loosen the original anchor bolt but leave it intact at the bottom of the footpad. (Figure 1)
2. Remove the 1/2" bolts from the C-channel adapter of the bracket assembly and set them aside for now.
3. Adjust the top bolt on the bracket assembly so the C-channel is approximately 3/4" between the top of the C-channel and the bracket.

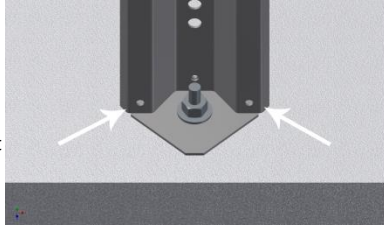


Figure 1

4. Mark the holes of the C-channel on the leg and drill using 1/2" drill bit. (Figure 2)
5. Put the bolts in from the C-channel side through the leg. Place a washer and Nylock nut on each bolt; hand-tighten.
6. Position the bracket assembly so that it is 3/8" away from the bin leg, and the C-channel is centered under the loadcell. **NOTE: Failure to properly align the bracket may cause the load cell to fail.**
7. Hand-tighten the top bolt on the bracket assembly to make sure the bracket is straight and to keep it in place.
8. Tighten C-channel bolts to 33 ft-lbs. of torque. Make sure the bracket does not move during tightening.



Figure 2

### Step 2: Lift the Bin

1. Place a line using a marker on the top of the bolt. (Figure 4)
2. Tighten all the lifting bolts 1 or 2 full turns at a time until each leg is at 8 turns.
3. Lift until there is a 1/4" to 1/2" gap underneath each leg. (Figure 5)
4. The top of the C-channel **MUST NOT** be up against the bracket assembly; a clearance of 1/4" (+/- 1/8") must be maintained.
5. Be sure to check height of each leg and verify the bracket is not touching the leg.

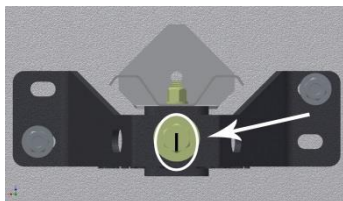


Figure 4

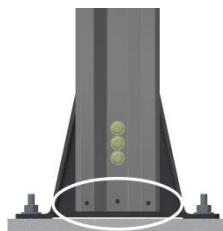


Figure 5

### Step 3: Anchor the Bracket Assembly

1. Drill two anchor bolt holes 2 1/4" in. deep in the pad diagonally opposite of each other. (Figure 3)
2. Hammer bolts into cement until they are firmly in place.
3. Tighten the nuts of the anchor bolts using a socket or hammer drill to anchor the bracket assembly. Torque to 55 ft-lbs.

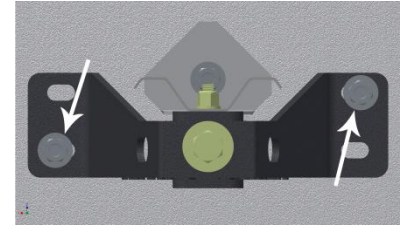


Figure 3

### Step 4: Wiring the Summing Box

1. Mount the Smart Summing Box (SSB) on the crossbar under the bin near the front using self-tapping screws where it is easily accessible for maintenance.
2. Run the cable from each load cell over to the summing box.
3. Before plugging the cables in, remove the black plastic lock nut from each cable strain relief. Remove the red plug from each predrilled hole. Pass the cable through the box and then the nut.
4. Plug in the load cells starting in the upper left until all load cells are plugged in.
5. Pass the communication cable through the gray liquid tight strain relief on the right side of the enclosure.

6. Using an appropriate sized wire nut, connect the according to the chart in Figure 6.

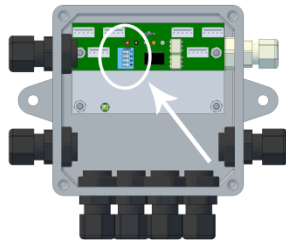
| 4-Conductor Cable | ↔ | Smart Summing Box (SSB) |
|-------------------|---|-------------------------|
| RED Wire          |   | RED Wire                |
| BLACK Wire        |   | BLACK Wire              |
| GREEN Wire        |   | ORANGE Wire             |
| WHITE Wire        |   | WHITE Wire              |

Figure 6

7. Attach the GREEN ground wire to the bin via one of the screws used to attach the SSB.
8. Run the communication wire to the next SSB or to the BinTrac® Indicator.

**NOTE: When wiring more than one SSB to a BinTrac® Indicator, start from the furthest SSB and "daisy chain" the remaining SSB's until you get to the BinTrac® Indicator.**

- Tighten every strain-relief (“dome nuts”) on the box. First tighten the nuts to attach the strain reliefs to the box. Then tighten the dome nut until the cable cannot be pulled out of the box.



- Set the appropriate bin (A, B, C or D) using the dip switches inside the summing box. (Figure 7)

| BIN | S1  | S2  | S3  | S4  |
|-----|-----|-----|-----|-----|
| A   | OFF | OFF | OFF | OFF |
| B   | ON  | OFF | OFF | OFF |
| C   | OFF | ON  | OFF | OFF |
| D   | ON  | ON  | OFF | OFF |

Figure 7

### Step 5: Wiring the Bintrac Power Supply

- The Power Supply can be mounted on the outside of the building near an outlet. If the BinTrac monitor is installed in an office or building walkway, the Power Supply can be installed in the same area, near an outlet.
- Mount the Power Supply on the building in a location that allows the cable to be tied to the feed line, or other structure preventing entanglement by a person walking between the bin and building or from equipment being moved in the area.
- Once the cable is routed from the Power Supply to the BinTrac® Indicator and has been tied up out of the way, cut off any excess cable.

### Step 6: Wiring the BinTrac Indicator

- Locate the terminal block in the BinTrac® Indicator labeled ‘BINS’.
- Insert the wires into the terminal block where RED is +12V, GREEN is +SIG, WHITE is –SIG and BLACK is -12V. (Figure 8)
- Connect the wires from the BinTrac® power supply to the terminal block labeled ‘PWR’ where WHITE is +12V and BLACK is -12V.

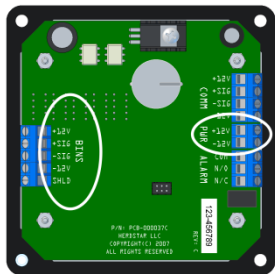


Figure 8

### Step 7: Setting up the BinTrac Indicator

- Hold BIN key for 10 seconds until SETUP appears.
- Press DOWN arrow until ‘BIN’ appears.
- Press BIN key to go to ‘A’. Press DOWN arrow to enable (solid light) or disable (flashing light) the bins. Use the same procedure to enable/disable bins B, C or D depending upon your configuration.
- Once the bins are configured, use the DOWN arrow to go to ‘L.C. CAP’. The amount is the load cell capacity x # of bin legs. Press bin key to modify the first enabled bin. Use the UP or DOWN arrows to change the weight until set properly. Use the same procedure for the remaining active bins.  
**EXAMPLE:** A 6 legged bin with 10k load cells equals 60,000.
- Next, use the DOWN arrow to go to ‘FULL’.
- Press bin key to modify the first enabled bin. The ‘FULL’ number is the bin capacity. Use the UP or DOWN arrows to change the weight until set properly. Use the same procedure for the remaining active bins.  
**EXAMPLE:** a 9 ton bin will have a ‘FULL’ number of 18,000.
- If the bin is empty, exit the setup menu and press and hold the DOWN arrow and the UP arrow until the bin reads ‘0’.

**Note:** The settings above are in lbs. but can be changed to kg by simply entering the metric value. **EXAMPLE:** 60,000 lbs. = 27,216 kg.

### TROUBLESHOOTING

The below messages identify either a wiring or settings issue. Consult the BinTrac® Operation Manual for further information.

- no.bin** - The Smart Summing Box for the selected bin is not communicating. Verify wiring is correct and there is power to the unit. Inspect Smart Summing Box internal diagnostic light; 1) flashing regular: normal working condition, 2) off: no power indication, 3) flashing irregular: unable to communicate.
- no.con** - This error message indicates the BinTrac Indicator has been programmed as a Remote Display. Consult the BinTrac Operation Manual on procedure to change or configure.
- no.PuL** - This error message indicates that the BinTrac Indicator has been programmed for a PULSE output. Consult the BinTrac Operation Manual on procedure to change the PULSE configuration.
- oLOAd** -The weight in the bin has exceeded the programmed system capacity by 150% and the system is in an over-load state. Verify capacity settings.
- Error** - The BinTrac Indicator is unable to display the current value or the value is outside the displayable range. Verify programmed settings are correct including zero or check for faulty load cell.