

# QUICK INSTALLATION GUIDE

## Mechanical Installation

### Installing the HI 3030 Weight Controller in a Panel

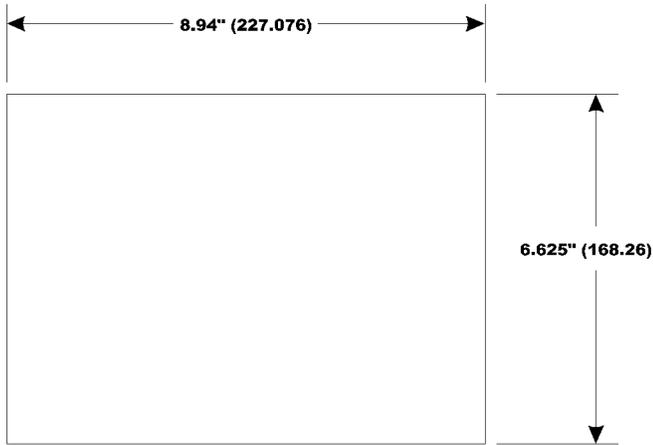


FIG. 1 PANEL CUTOUT DIMENSIONS

- Step 1. Make sure that all Electrostatic Discharge (ESD) precautions are taken before and during installation.
- Step 2. Slide the gasket over the rear of the instrument until the gasket is flush with the back side of the front panel. (See Fig.2)

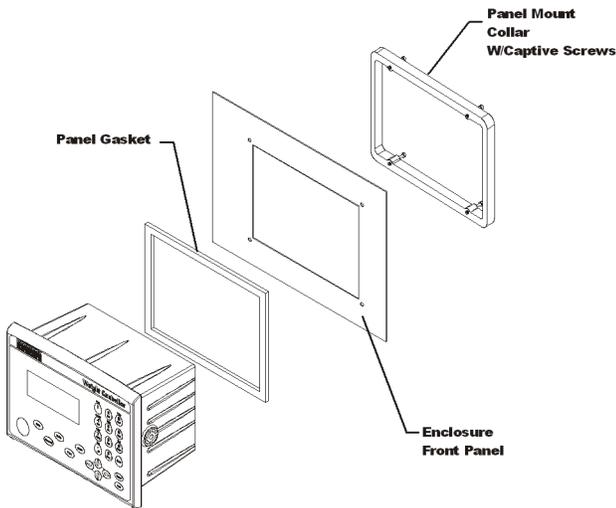


FIG. 2 PANEL MOUNT INSTALLATION

- Step 3. Gently slide the Weight Controller with the gasket into the cut-out in the enclosure front panel or door until the gasket is flush with the enclosure front panel. (See Fig. 3-4) Be sure to secure the instrument with both hands when installing.
- Step 4. Gently slide the Panel Mount Collar over the rear of the instrument. (See Fig. 2)
- Step 5. Push the captive screws through the holes in the Enclosure Front Panel and install the screws into the tapped holes on the instrument until the screws are finger tight.
- Step 6. Use a slotted head screwdriver and tighten each screw until the instrument is snug against the panel. Use a torque screw driver and torque each screw to 10 inch/pounds. DO NOT OVERTIGHTEN!

### Installing the HI 3030 Weight Controller in a Swivel/Wall Mount

*NOTE:* When mounted on a wall the unit should support a weight of 14 lbs for one minute without coming loose or damaging the equipment or fasteners.

- Step 1. Use four (4) 1/4 x 20 fasteners to fasten the swivel mount to a horizontal surface. (See Fig. 3)

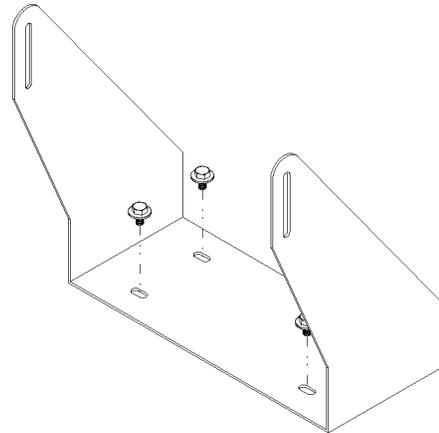


FIG. 3 INSTALLING THE SWIVEL MOUNT TO A HORIZONTAL SURFACE

- Step 2. Place the Weight Controller between the Swivel Mount brackets so that the threaded holes in the instrument are aligned with the slots in the Swivel bracket. (See Fig.4)

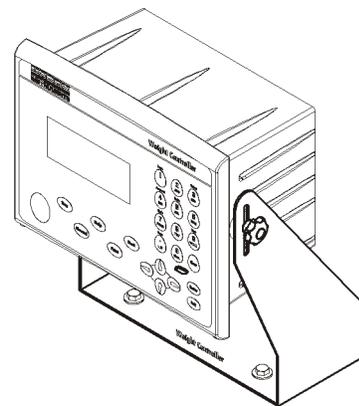


FIG. 4 WEIGHT CONTROLLER INSTALLING IN A SWIVEL MOUNT

- Step 3. Screw the two fastener knobs into the threaded holes on each side of the Weight Controller until the brackets are snug against the instrument. (See Fig. 5)

## Load Point Installation

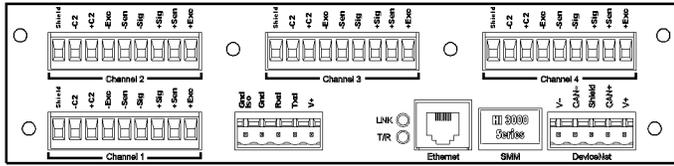


FIG. 5 REAR PANEL/4 LOAD POINT CONNECTIONS

## C2® Load Point Connection

**WARNING: LOAD CELL CABLE LENGTH HAS BEEN CALCULATED INTO C2 CALIBRATION DATA. HARDY RECOMMENDS THAT YOU DO NOT CUT YOUR ADVANTAGE OR ADVANTAGE LITE LOAD SENSOR CABLE, AS YOUR C2 ACCURACY WILL BE AFFECTED AND THE WARRANTY WILL BE VOIDED.**

Cable color Code for C2 Load Points (left to right facing the rear panel):

- Shield Ground Wire
- C2- Violet
- C2+ Grey
- EXC- Black
- SEN- Brown
- SIG- White
- SIG+ Green
- SEN+ BLUE
- EXC+ RED

- Step 1. Remove the factory installed jumper from the terminal block if you are connecting an 8 wire cable from the junction box.
- Step 2. Connect the cable (Recommended load cell cable: Hardy Instruments Prt. # 6020-0001) wires to the Channel terminal block according to the cable color chart.
- Step 3. Plug the terminal block into the Channel connector on the rear panel.
- Step 4. For more information concerning C2 Load Point connection, consult the HI 3000 Series Installation and Service Manual.

## Non-C2 Load Point Connection

*NOTE: Cable Color Codes vary between vendors, check with you supplier for the Color Code for your Non-C2 load point.*

- Step 1. Remove the factory installed jumper from the terminal block if you have 6 wire load cell cable that includes sense wires from the load cell or junction box.
- Step 2. Connect the cable (Recommended load cell cable: Hardy Prt. # 6020-0001) wires to the Channel 1 terminal block according to the Non-C2 cable color chart, or per manufacturers specification.
- Step 3. Plug the terminal block into the Channel connector on the rear panel.

## AC Input Power Wiring

**WARNING: DO NOT OPERATE WITH INCORRECT LINE VOLTAGE. TO DO SO WILL RESULT IN PROPERTY DAMAGE AND/OR PERSONAL INJURY. MAKE SURE THAT THE POWER SOURCE DOES NOT EXCEED 240 VAC.**

*NOTE: For DC Input Power Wiring See the HI 3030 Weight Controller Installation and Service Manual.*

- The AC power should be supplied by a “clean” primary line, directly from the power panel. This line should not supply any other equipment, including the feeding unit, and should be supplied with a minimum 10 amp breaker. (See Fig. 7)

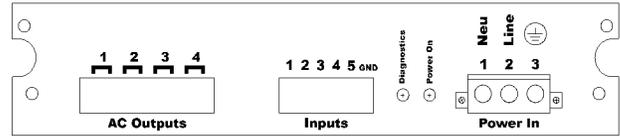


FIG. 6 POWER WIRING DIAGRAM

- Power Input J1
  - J1-1 Net (Low)
  - J1-2 Line (HI)
  - J1-3 Ground

- Step 1. The HI 3000 Series instruments are configured with a universal power supply rated from 120 to 240 VAC.
- Step 2. Install a 3-wire, minimum 14 AWG power line to the 3-pin terminal block connector.
- Step 3. The Instrument boots up to the Summary Screen which will display 1, 2 or 4 Channels. (See Figs. 7 & 8)

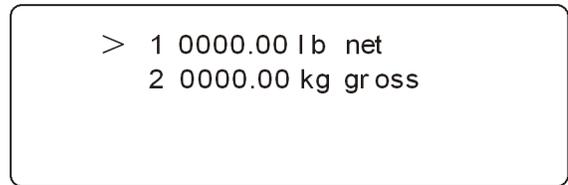


FIG. 7 SUMMARY DISPLAY/2 CHANNELS

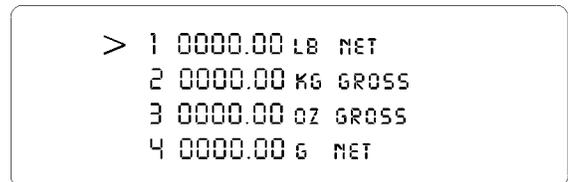


FIG. 8 SUMMARY DISPLAY/4 CHANNELS

- Go to the HI 3030 Weight Controller User Guide for operating instructions.
- Go to the HI 3030 Weight Controller Installation and Service Manual for further Installation and Configuration Instructions.



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