



EEC Fully Electric Control Installation and Operation Manual

Livorsi Part #

EECPC100

EECPC101

EECPC102

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INTRODUCTION

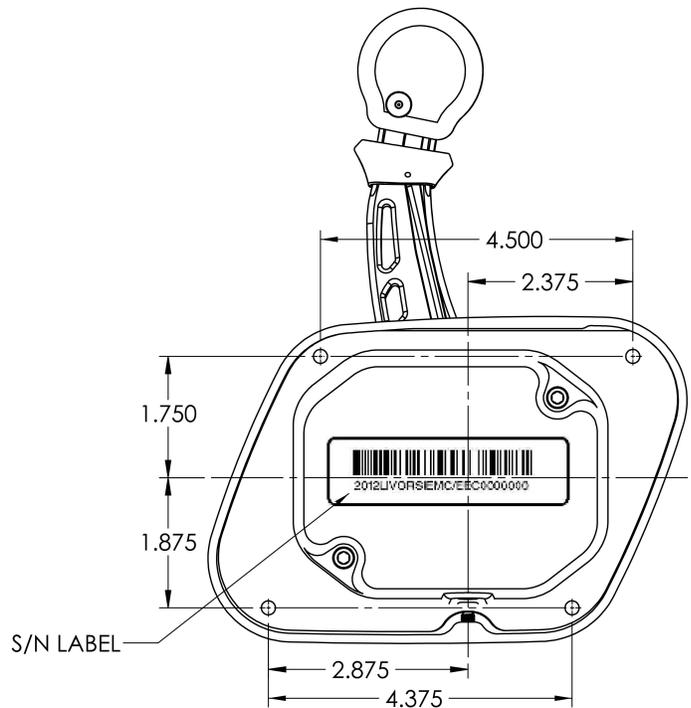
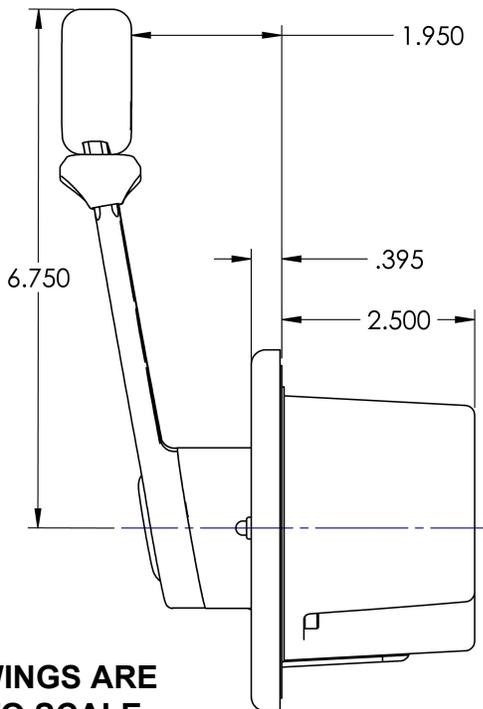
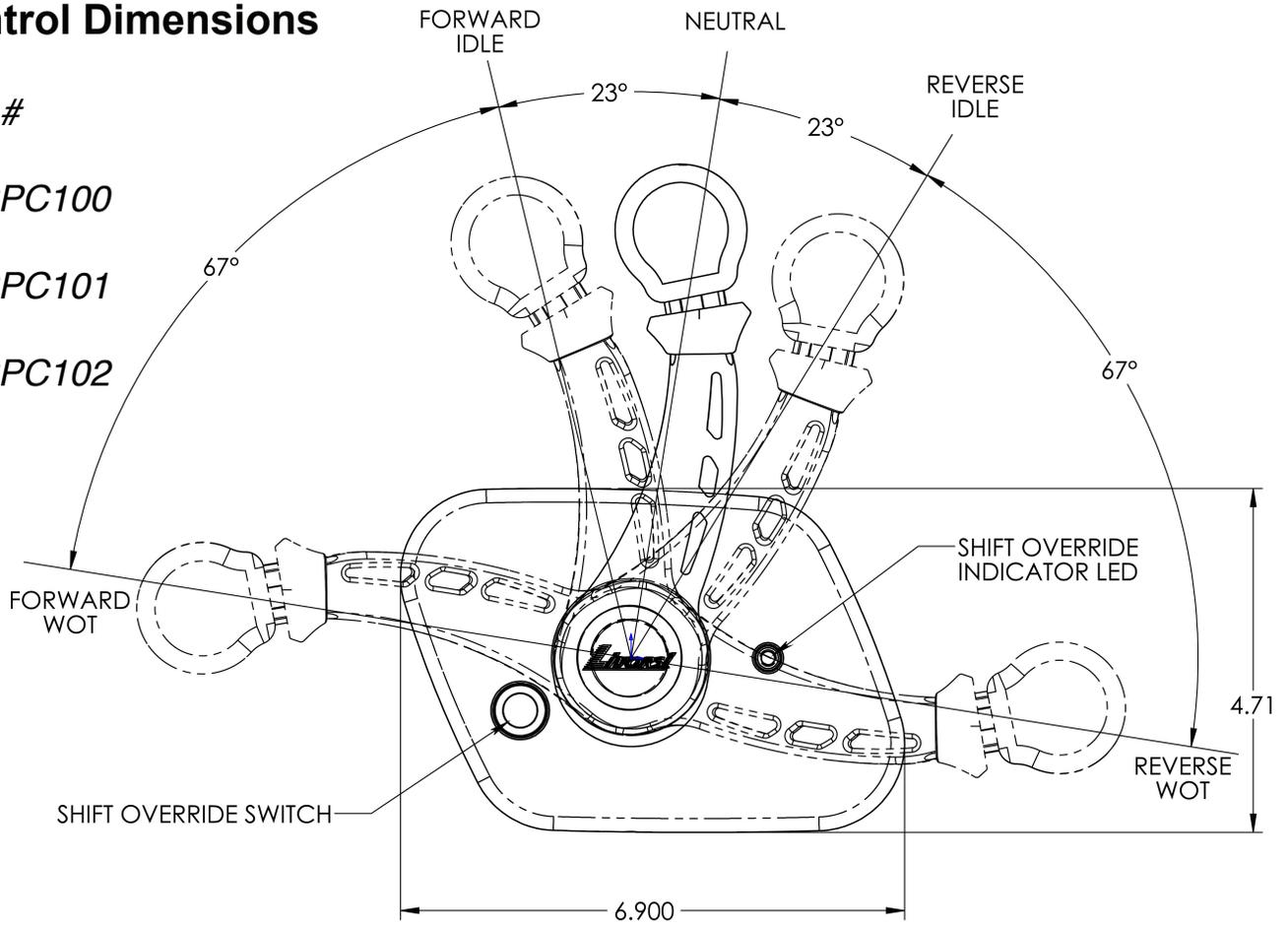
Control Dimensions

Part #

EECPC100

EECPC101

EECPC102

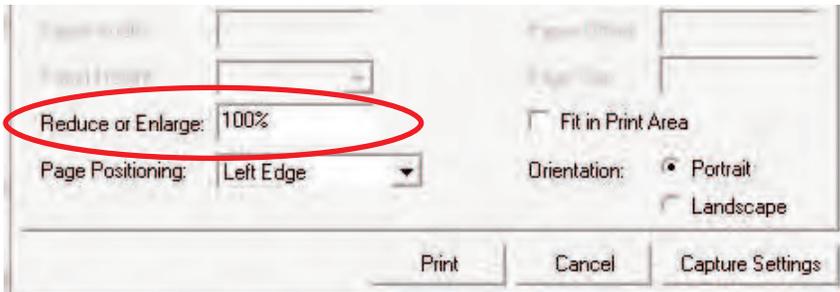


DRAWINGS ARE NOT TO SCALE.

INSTALLATION

Using Mounting Templates / Cut Out Patterns

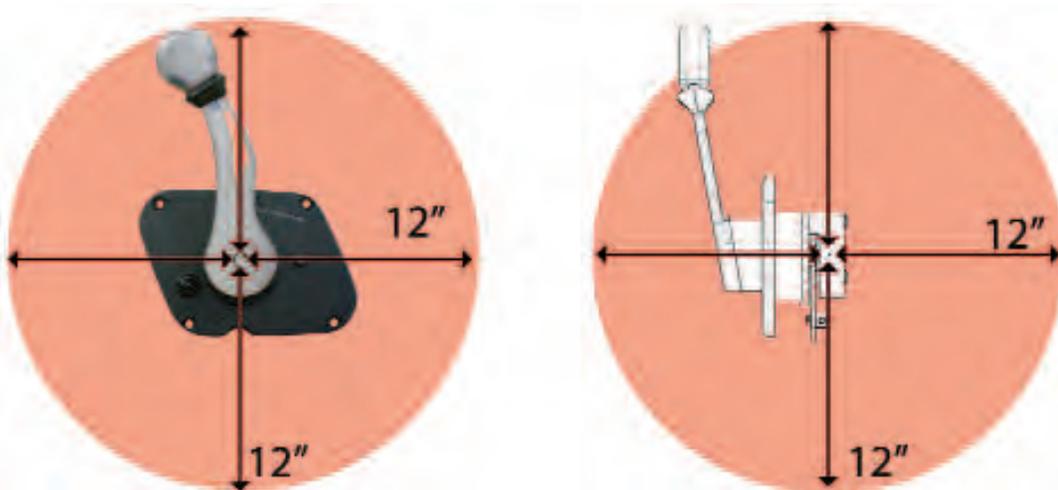
Utilize the template provided for appropriate control cut out pattern.
Print template at 100% scale.



Repower / Replacement: Please note that installation of the Livorsi control may require modification of the existing control cut out pattern in your application. In some instances, an additional plate may need to be made to cover the old cutout to allow proper mounting of the new Livorsi control. Livorsi is not responsible for these modifications.

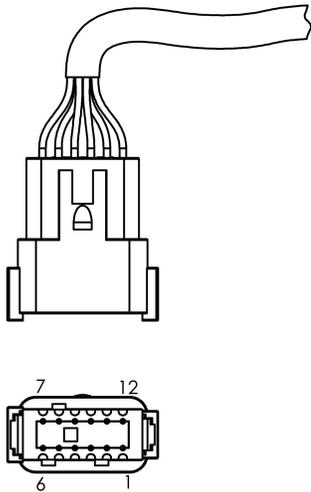
Install Requirement

Magnetic interference: No speakers or magnetic sources within 12 inches of control.



Installing the Control

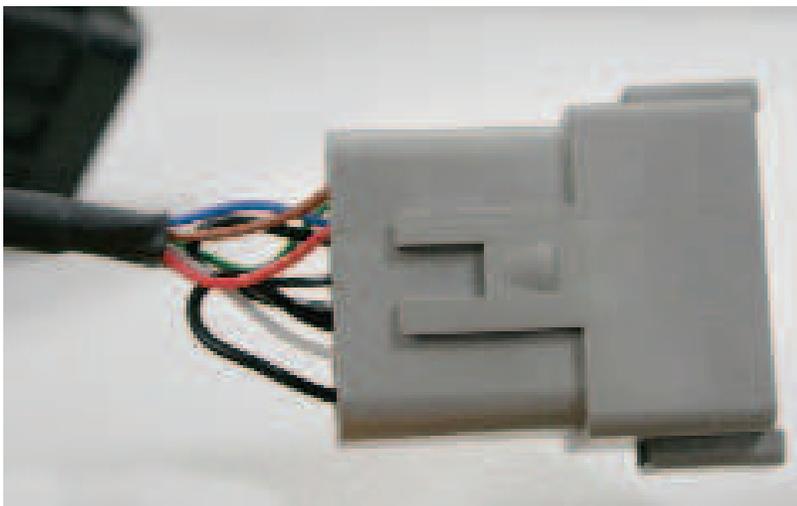
Make connection(s) to the appropriate boat harness(es). When properly connected you will hear a "click" indicating a good connection. Double check connection by gently tugging at the connector(s).



CONNECTOR

DEUTSCH DTM SERIES
FEMALE RECEPTACLE
PART# DTM04-12PA
COLOR: GREY

TERMINAL START	TERMINAL END
1	Throttle PPS1 +5VDC
2	Throttle PPS2 +5VDC
3	Shift +12VDC
4	Throttle PPS1 Ground
5	Throttle PPS2 Ground
6	Shift Ground
7	Throttle PPS1 Signal
8	Throttle PPS2 Signal
9	Shift Forward Signal
10	Shift Reverse Signal
11	Shift Neutral Dry Contact 1
12	Shift Neutral Dry Contact 2



Installing the Control - Continued

Install control with four screws (customer supplied).



Installing the Bezel Plate

If applicable

Install bezel plate by sliding over handle and securing with set screw provided.



Set screw

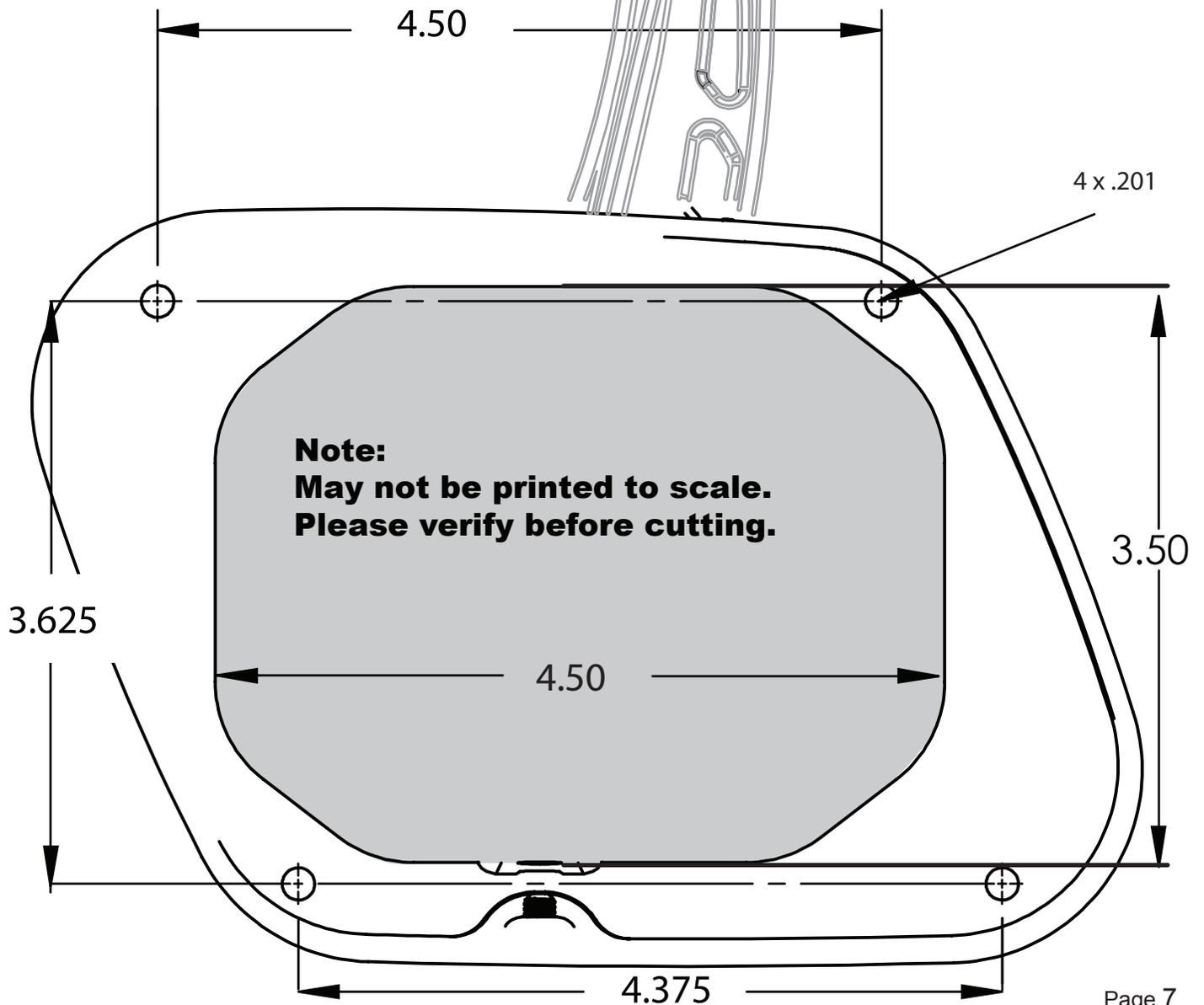
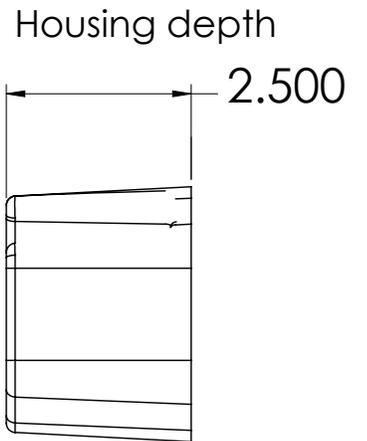
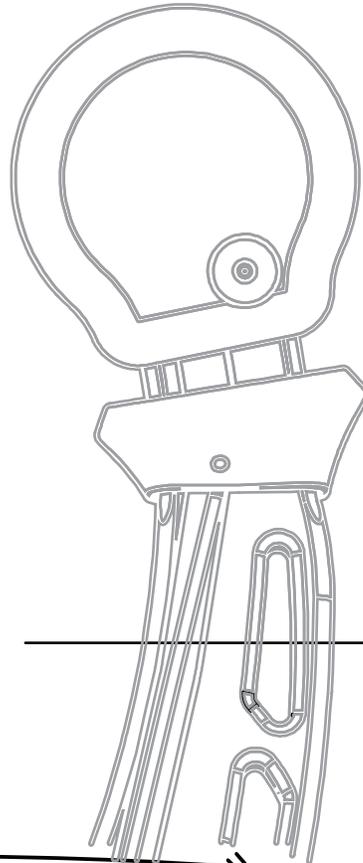
TESTING THE CONTROL

- A. With the handle in the neutral detent position, verify that the neutral lock out prohibits moving the handle into the forward or reverse detent.
- B. Engage release cup and cycle handle to forward WOT. Return to neutral detent to verify the lock out mechanism is functioning properly. Engage release cup and proceed to reverse WOT. Return to neutral detent to verify the lock out mechanism is functioning properly.
- C. While pushing the neutral override button, engage release cup and move the handle into the forward detent position. Verify the LED is lit and that throttle only mode is functioning properly. Repeat this procedure for reverse as well.

MOUNTING TEMPLATE

PART NUMBERS:

EECPC100
EECPC101
EECPC102



INTENTIONALLY LEFT BLANK

MAINTENANCE

Corrosion Protection:

For maximum protection, especially in a saltwater environment, the control head and hand lever should be washed lightly with fresh water on a regular basis.

- Periodically check the control head mechanism for loose fasteners and signs of wear on moving parts.
- Keep moving parts well lubricated with a moisture-displacing lubricant.
- Periodically check the cables and engine connections for signs of wear and corrosion. Replace as necessary.

WARRANTY

All Livorsi Marine® products carry a limited one year warranty for repair or replacement at Livorsi's discretion. All Livorsi Marine® products are warranted to be free of defects in material and workmanship. Users/Customers of Livorsi Marine®/Livorsi® products agree not to hold Livorsi Marine, Inc., its owner or employees responsible for any damages occurring by improper installation or use of Livorsi Marine® or Livorsi® products. The company, owner or its employees will not be liable for more than the cost of the original product and in no event will Livorsi Marine® or Livorsi® be liable for special, indirect or consequential damages of any kind whatsoever.



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