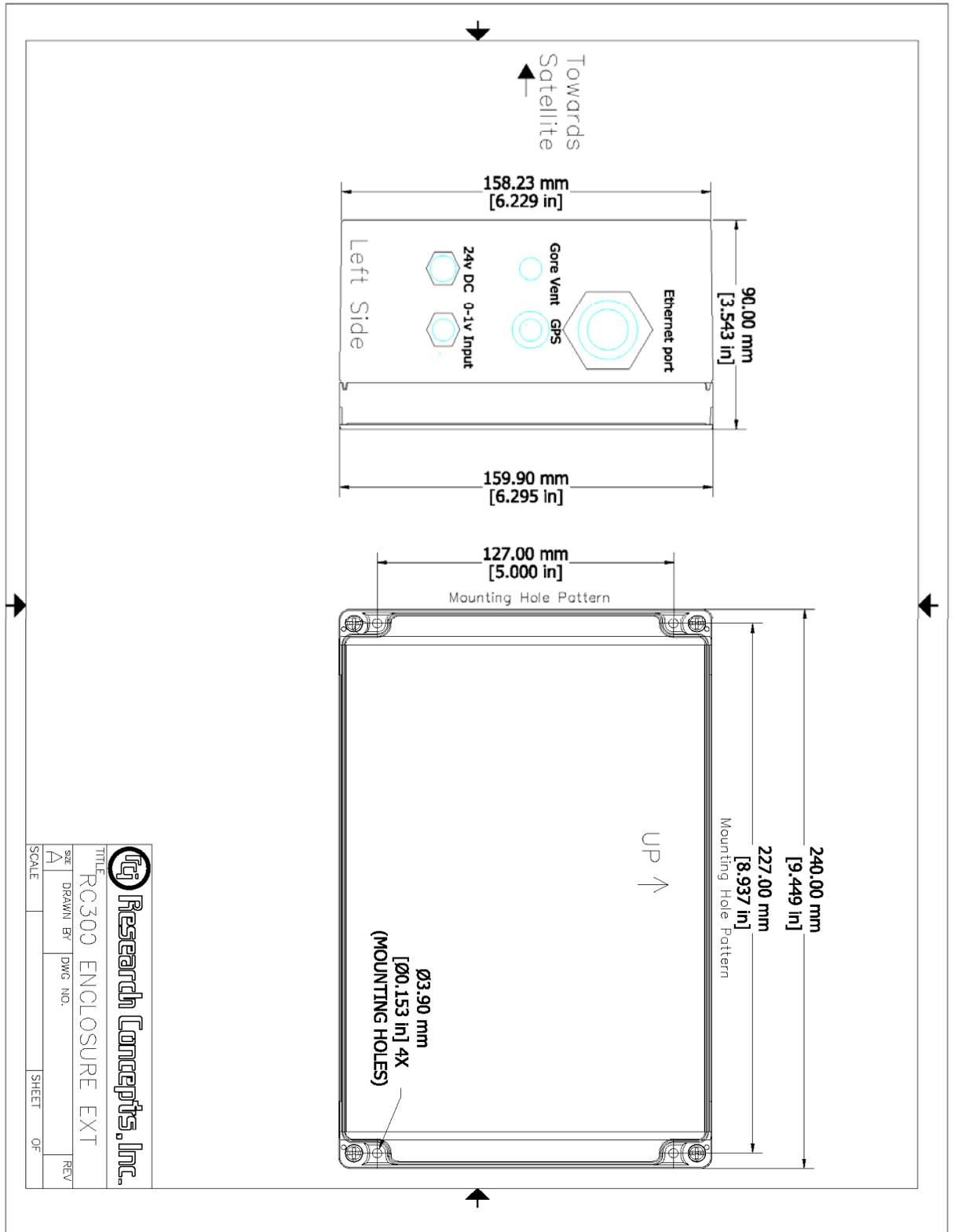


# APPENDIX A Drawings



## APPENDIX B Enclosure Specific Data

### Chapter 1 Introduction

This appendix is provided as a supplement to the baseline RC300 Manual. It describes the hardware and software changes from the baseline RC300 that affect this particular unit.

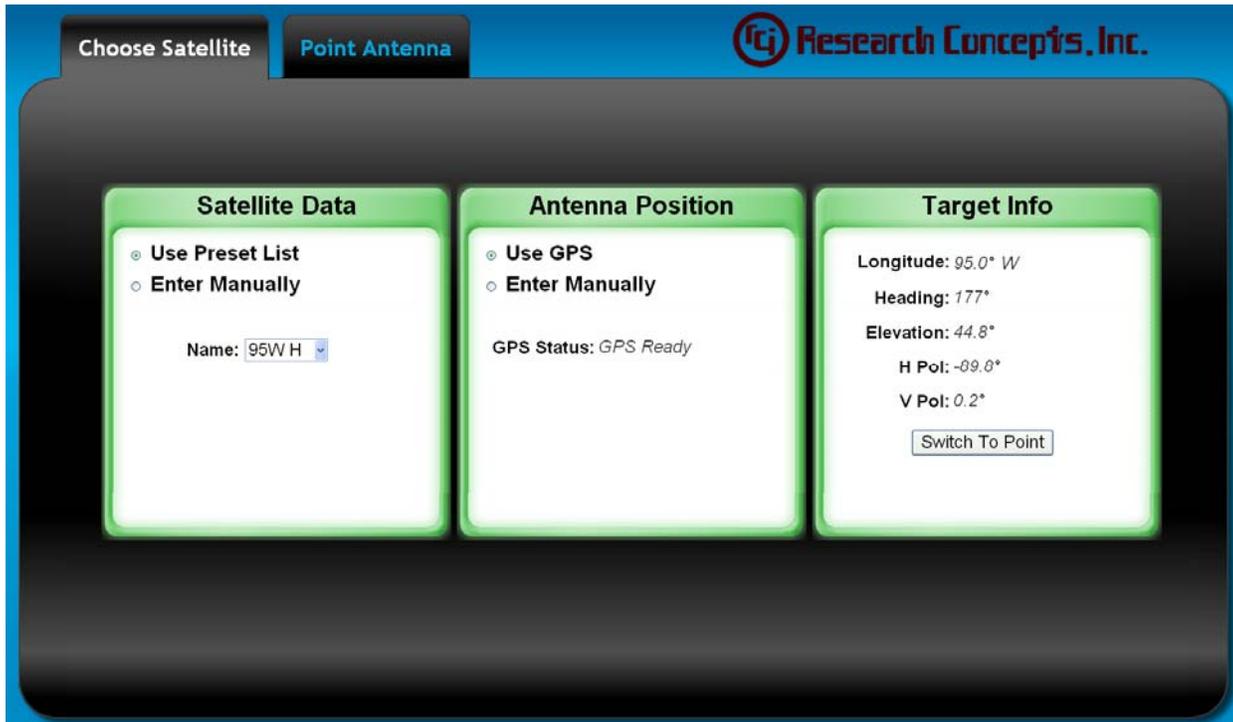
### Chapter 2 Hardware

In place of the standard RF connector there is a BNC connector that accepts 0-1V that is proportional to external receiver signal strength. This particular unit also does not have a discrete lock input.

### Chapter 3 Software

#### 3.1 Choosing a Satellite

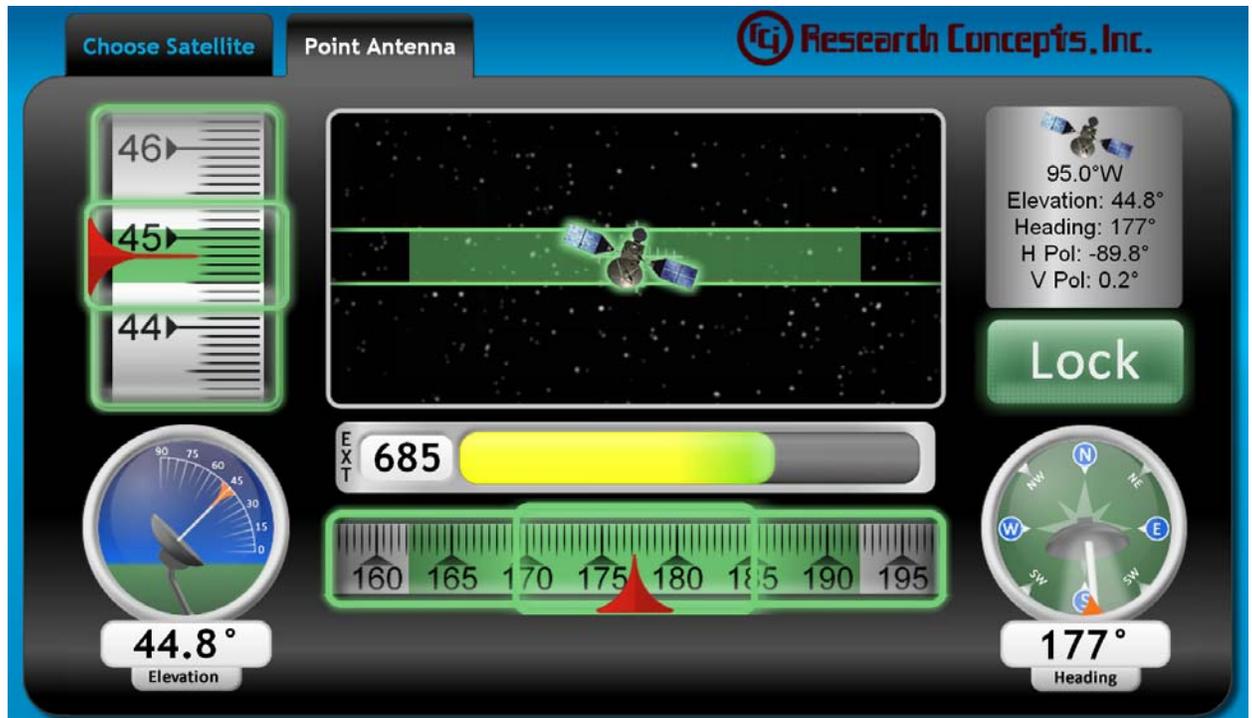
Choosing a satellite does not require DVB signpost information, as this particular unit does not have DVB capabilities. Instead, only the longitude of the target satellite is required.



### 3.2 Finding a Satellite

The "Point Antenna" tab displays only one signal strength bar, external receiver signal strength, as this particular unit does not have RF broadband power detection capabilities.

Due to the lack of a discrete lock input on this particular unit, the lock indicator will not be able to indicate that a particular satellite has been located as it normally does with the baseline RC300. Instead, the lock indicator will activate once the external signal strength reaches a certain configurable threshold, regardless if you are pointing at the target satellite or not. See Chapter 4 of this appendix for more detail.



## Chapter 4 Advanced Operation

To access the configuration page, enter “192.168.252.1/config” into the address bar of your web browser. Save your changes by clicking the “Save Values” button. The interface may have to be refreshed for changes to take effect.

Due to the lack of broadband power detection, it is recommended that the Always Show Receiver Signal Strength option be turned on. If this option is not used, signal strength will only be shown when lock is achieved.

It is also recommended that the External Signal Strength Lock Threshold should also be properly configured to improve performance. The External Signal Strength Lock Threshold refers to the amount of signal strength required from the external receiver before the RC300 lock indicator is activated. Increase this value to hide the lock indication until a desirable level of signal strength is achieved. The factory default threshold is 10.

### Expert Settings

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Inclinometer Zero Voltage:	<input type="text" value="1.25"/>
Inclinometer Scale Factor:	<input type="text" value="50.00"/>
External Signal Strength Lock Threshold:	<input type="text" value="10"/>
Display Update Interval:	<input type="text" value="200"/>
<input type="checkbox"/> Always Show Receiver Signal Strength	
<input type="checkbox"/> Skip Choose on Startup	

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