

Setting up a FCV-295/FCV-1150 with a Chirp Transducer

(265 Series, 275 Series, 509 series, 175 Series)

Introduction:

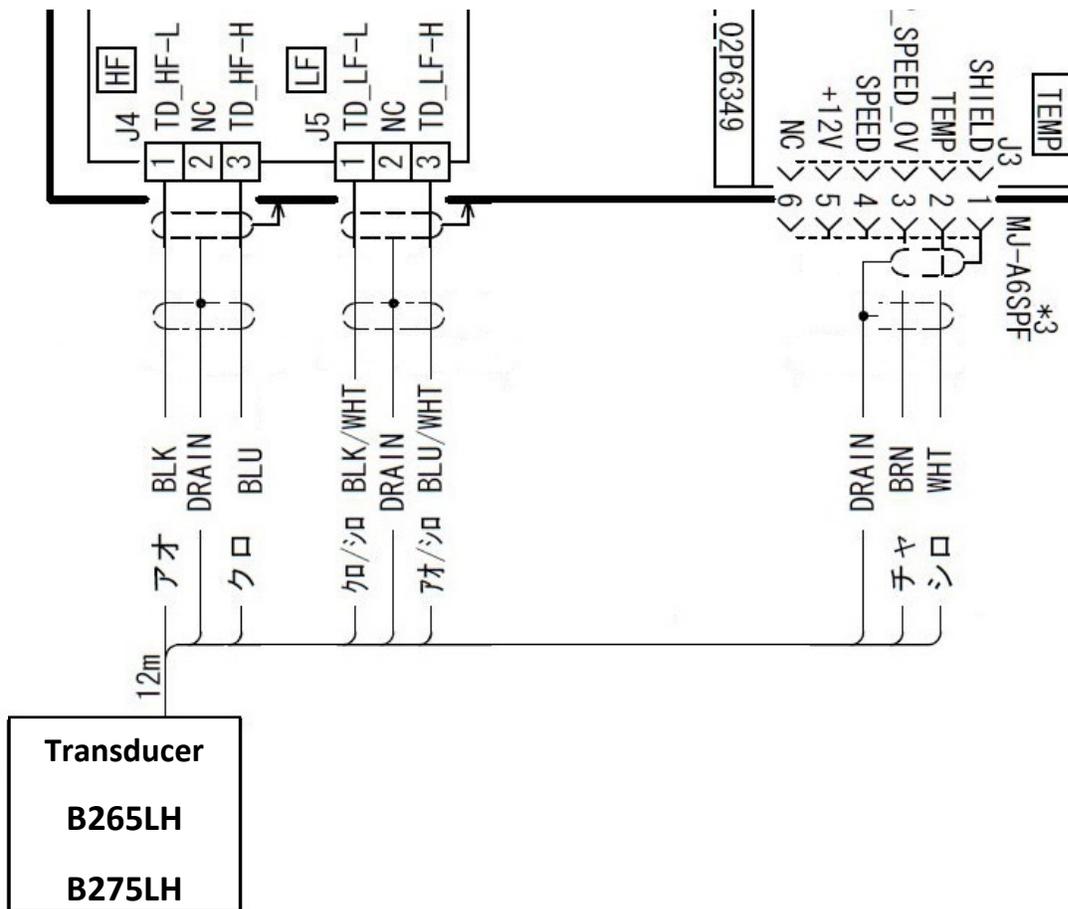
While the FCV-295 and FCV-1150 are not “Chirp” sounders, they can take advantage of the new Chirp Transducers available from Airmar. The FCV-295 and FCV-1150 will not automatically scan the Frequency bands, but you can set the High and Low frequencies manually at the optimum starting point and then adjust it manually within the set bandwidth from the menus.

Note Both the FCV-295 and FCV-1150 have **three frequency ranges** that are **LOCKED OUT** and are not selectable. They are **53-65Khz**, **111-139Khz**, and **171-183Khz***

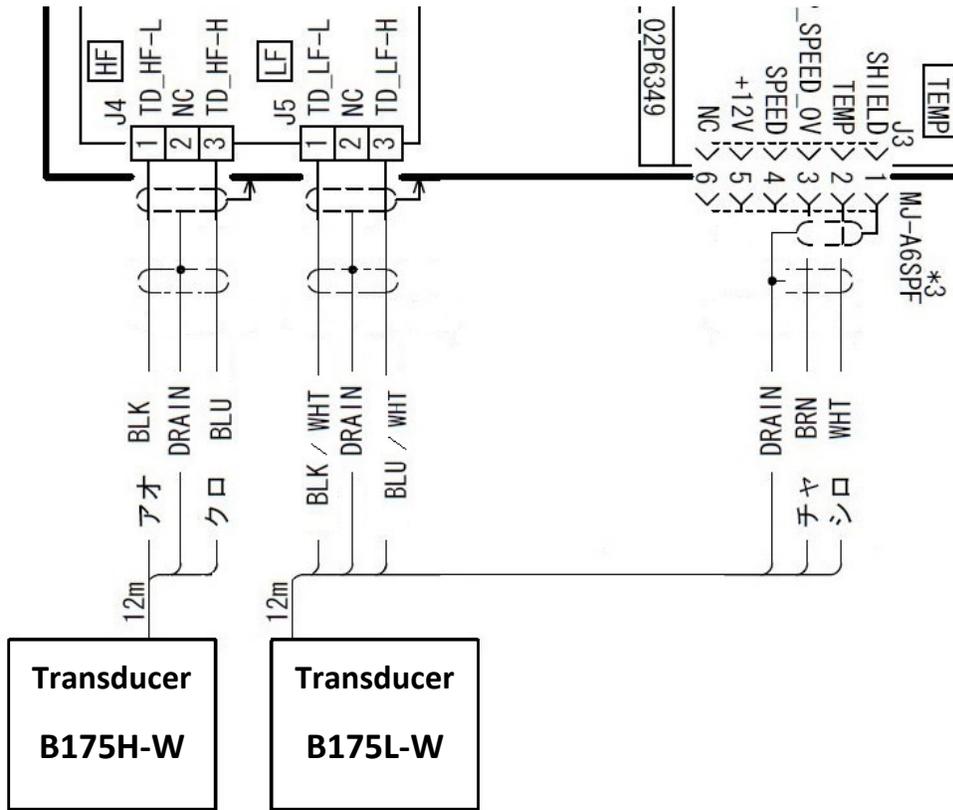
Wiring:

The wiring for the Chirp Transducers to the FCV-295 or an FCV-1150 is very straight forward and simple. It is shown below: ***NOTE: Do NOT connect the Orange TID wire***

B265, B275 and 509 Series



B175LHW Series



Initial Setup

In the Initial Setup menu, you will need to make sure that the “Transducer Type” is set to MANUAL.

For the best results, we **recommend** that the frequency and bandwidth be set as follows:

HIGH FREQ:

Freq: **155Khz**

Bandwidth: **30Khz**

LOW FREQ:

Freq: **42Khz**

Bandwidth: **21Khz**

NOTE The Bandwidth, or “Slewing Range” allows the operator the ability to adjust the Frequency 50% above and 50 % below the starting Frequency within the set range parameters.

For Example: If the Starting Frequency is **40Khz** and the Bandwidth is set at **20Khz**, you will be able to Slew 10Khz above and 10Khz below.

30Khz ← Slew - 40Khz - Slew → 50Khz

NOTE Pulse Length is important and greatly effects targets in both shallow and deep water. **Shorter Pulse length = Better detail, Decreased Range while Longer Pulse length = Lower Detail, Increased range.**

TAP SETTINGS

Transducer:

B175 Series (All)

B265 Series (All)

B275 Series (All)

R509C-LH

R509C-LM

R509C-LHW

TAP Settings:

High: Tap A Low: Tap A

High: Tap A Low: Tap A

High: Tap A Low: Tap A

High: Tap C Low: Tap C

High: Tap B Low: Tap C

High: Tap A Low: Tap C

###END###