

SEA FROST®

148 OLD CONCORD TURNPIKE BARRINGTON, NH 03825 USA

TEL (603) 868-5720 FAX (603) 868-1040

1-800-435-6708

E-Mail:sales@seafrost.com

www.seafrost.com

ENGINE DRIVEN 134a ~ COOL FISH RSW

ADJUSTING THE LOW PRESSURE CUT OUT

The Cool Fish RSW Barrel is fitted with an adjustable low pressure cut out control. In normal operation this device will switch off the compressor when the circulated seawater temperature drops. The control will turn the compressor back on after the coil and expansion valve warm up. The control needs to be set to avoid icing the cooling coils. Icing reduces capacity and possible damages the components. The control will only operate when the circulated water stops or the water is super cold.

There are two adjustments on the Danfoss K1 control. The cut out point is the range adjustment. This is the left hand scale and is adjusted with the left screw after removing the locking plate. Adjust this to turn off the compressor before the out flow water temperature goes below 28 degrees F.

Do not attempt to adjust the large slotted screw to the right of the locking plate.

The cut in or turn on point is warmer and should allow the coil to defrost with the water flowing through the barrel. Leave this adjustment at the supplied setting.

The control is measuring refrigerant pressure.

Factory settings:

Engine Drive Compressor (R-134a refrigerant)

Range 15 PSI

Differential 15 PSI

Danfoss Cut out K1

Normally closed switch.

Wired on terminals 1 and 4

