

LCD Layout for Temperature and Salinity Control Status

EAS 199B

Winter 2013

Figure 1 shows a layout of the LCD panel to indicate the status of both the temperature and salinity control system. The first row contains the labels for three columns of information. LCL and UCL are the lower and upper control limits, respectively. SP is the set point. The second row (index = 1) indicates the control parameters for the salinity control system. The third row indicates the parameters of the temperature control system. The last row indicates the current values of salinity (S), temperature (T) and the heater status (H), which is either “on” or off”.

	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9			
0				L	C	L					S	P								U	C	L	
1	S:	0	.	0	7	2		0	.	1	0	0		0	.	1	0	8					
2	T:			2	4	.	2			2	5	.	0							2	5	.	9
3	S=	0	.	1	1	2		T=	2	3	.	7		H=	o	f	f						

Figure 1 Final LCD panel layout.