

Title:	Drive Solenoid through X-fer Station Port			ID:
				0094
Date in:	Response:	Model:	Author:	
2003-08-25	2003-08-25	-	CMa	

Q:

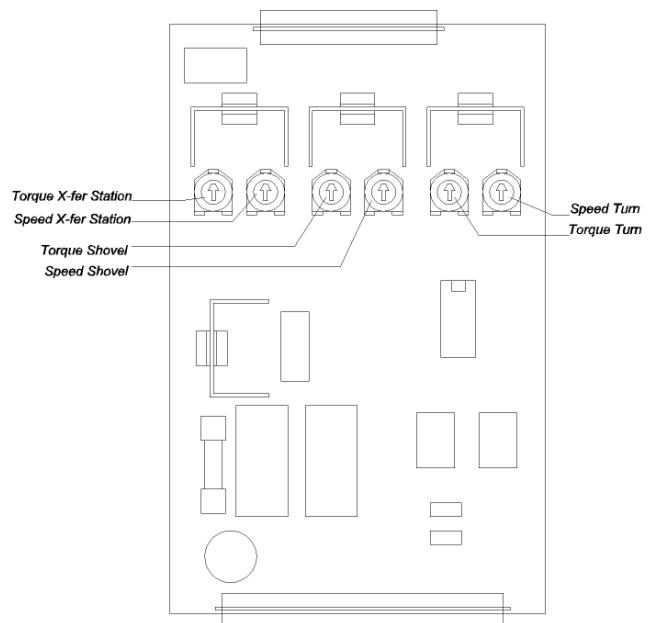
I have a couple of questions for you which I need answered ASAP. We are in the process of sending one of our systems to Germany, which will include a Liconic carousel. This carousel will have a lift elevator attached to it's nest. I was wondering if we could interface the lift elevator to the PLC in the unit. We have done this in the past with the Kendro carousel which utilized a Liconic robot to transfer the microtittter plates. We usually interface it through the connector where the nest sensor connects to. We use the turntable functionality provided with the unit to fire the plate lift. The plate lift consist of a solenoid valve and extend/retract sensors plus the nest sensor provided with the instrument. I would greatly appreciate if you could provide me with the information or direct me to someone who could help. I may be reached at the numbers or email address below.

A:

The x-fer stations are identical. If you're using the motor output to drive the solenoid you have to be aware that the voltage changes polarity and the output is voltage and current controlled. Try to connect only one of the wires to the solenoid and the other end of the solenoid to the ground. The voltage (speed transfer station) should be all the way up (see attachment).



Liconic Controller Card



Notes:

Some options may be missing depending on systems configuration
 CW (clockwise): Increasing
 CCW (counter clockwise): Decreasing
 Improper adjustments may lead to damage of equipment