

Solid State Lift Control Systems

# **Mechanical Auto-Stop**

## **Installation & Operating Instructions**

Over 25 years experience in the Marine Industry

**RMC LIFT CONTROLS**

*Riding The Wave Of The Future*

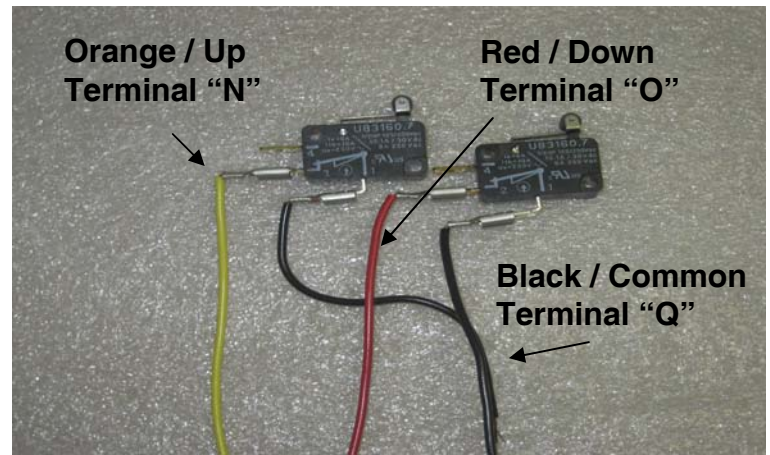


### **WARNING!**

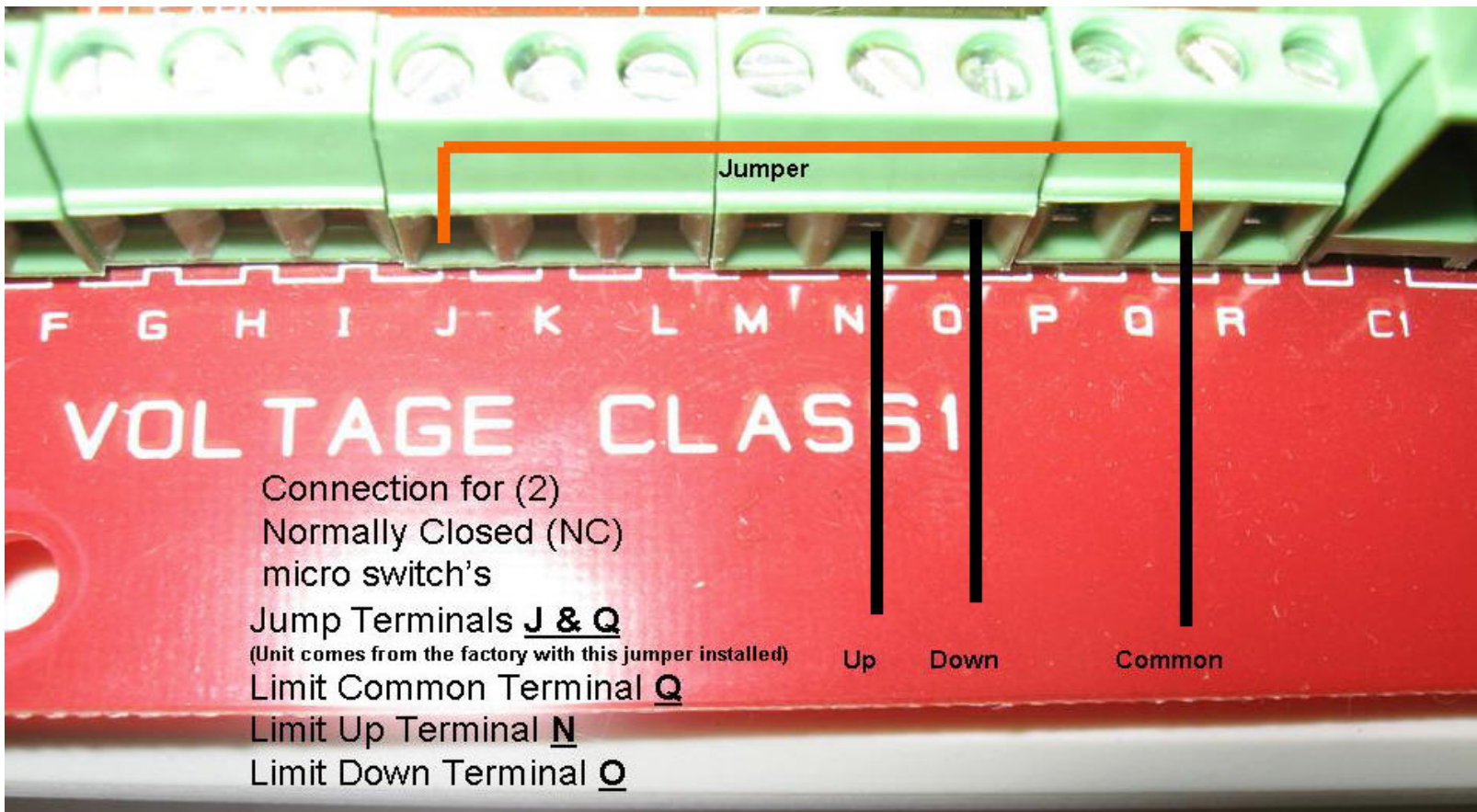
**Read and follow all warnings and instructions in this manual  
to avoid personal injury or property damage.**

**Warning:** While the LCU will operate with any (2) Normally Closed (NC) Micro switch setup, RMC is not responsible for damages to lift when using any switch assemblies sold by anyone other than RMC Enterprises, Inc.

•Micro Switches should be connected as illustrated to the right



To set up the LCU for use with two (NC) micro switches make the following connections with the power off:



If technical assistance is required please call 239-289-4150 or **email** [rmcontrols@embarqmail.com](mailto:rmcontrols@embarqmail.com)

### Operation:

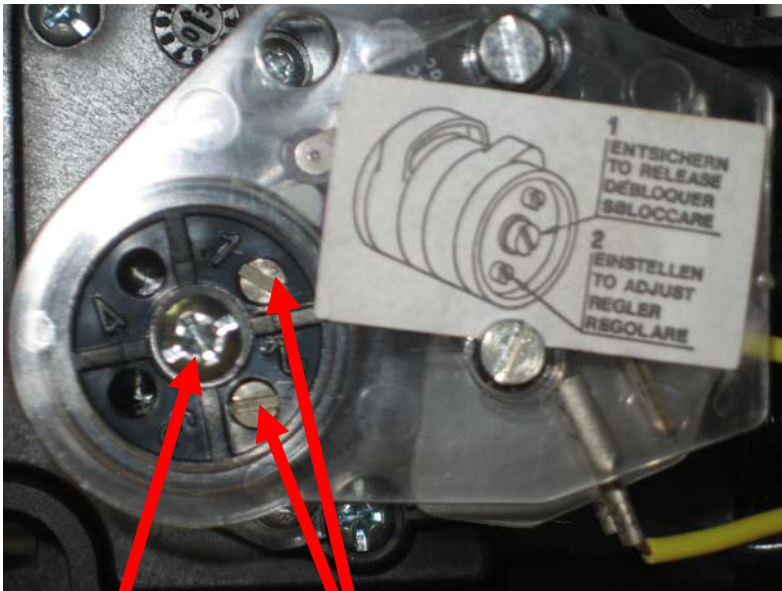
- Once the micro switches are adjusted for the desired travel, the lift will run without stopping between the up & down limit positions.
- When the lift reaches a limit it will stop operations in that direction and still have manual (non-automatic) operation in the opposite direction. Once the lift has traveled far enough in the opposite direction for the tripped limit's switch to close again, it will return to automatic running mode.
- The lift can be stopped at any position between the set limit stops with the use of the stop button of the KeyFob or the enclosure, if equipped.
- Starting the lift from any position will result in the lift running to the set position in the direction selected.

# Mechanical Limit Switch Adjustment

After connecting the limit switch wires to control unit adjust the upper and lower trip settings as described below:



- Mount the limit opposite the drive winch
- Engage the fork on the limit into the cross drilled cap screw on the lift drive pipe
- Securely mount limit switch assembly to rail
- Remove yellow cover to expose rotary the micro switches
- Loosen the center locking screw
- Run the lift to the upper stop position; use the adjusting screw to adjust the cam to open the switch at this position
- Run the lift to the lower stop position; use the adjusting screw to adjust the cam to open the switch at this position
- If the lift stops before the desired position is reached you must use the adjustment screw to keep the micro switched closed until the position is reached
- After upper and lower positions are set and verified to be correct, tighten the center locking screw
- Re-install yellow cover



Center  
Locking  
Screw

Cam  
Adjusting  
Screw