

# ***SIDE-POWER***

*Thruster systems*



## **Soft Start System built in on SP285TC Thruster**

The Side-Power SP285TC Thruster model comes standard with a Purpose Built Series/Parallel Box 24V-48V. This box also incorporates a soft start function to eliminate a high surge from immediate full power of this powerful thruster. Since this is the most powerful DC thruster available, we need to make sure that it could not cause someone to lose their balance.

The soft start works so that the thruster starts off at 50% voltage (running only on battery bank 2). After the set timer period is over, it then engages the other 50% voltage, so that it has full power. The default setting for the soft start is 2 seconds, but it can be adjusted easily from 1 sec. to 30 sec.

This means that by setting the timer a little higher or pulsing based on the time set, you in a way have a 2-speed thruster. You cannot however get immediate 100% power, minimum of 1sec soft start, but this is not easily noticed.

\*Soft Start is shown in wiring diagram on page 19 of Manual for SP155-285TC.

PN – 2/2/02

