Thu Oct 25 16:59:41 2001	magnet_rampup.txt	Page
RAMPING THE MAGNET UP FRO	OM THE COMPUTER	
Assumptions: Power supply is off Magnet is at zero fielo Safety policies permit Cryostat is cold, at le		
DO NOT exceed rate limi DO NOT allow loss of cr	et with the shim heater off - magnet will its listed below - magnet can quench ryostat isolation vacuum - magnet can rup ith medical implants near magnet - death	oture
Remove any unsecured ma If no hall access has h Hit "Unlock Magnet Cont Verify that there is no Hit "Hold" button Hit "Heater On" button, Wait until timer counts Type the value 60.0 int Type the value 1.50 int Hit the "To Setpoint" h Magnet power supply mak Wait for magnet to reac Type the value 1.00 int Type the value 72.0 int Wait for magnet to reac Type the value 0.50 int Type the desired magnet Currents for full-field	0.1 A, if necessary (on top of Magnet PS agnetic objects from area within 4m of ma been made since last magnet use, search of trols" button o current in the leads (Power supply icon , you'll need to confirm this action s down to zero to the "Setpoint" box to the "Setpoint" box button kes a "clunk" sound around 4 amps - this ch 60.0 A (40 min) to the "Setrate" box to the "Setpoint" box ch 72.0 A (12 min)	is normal
Hit the "Hold" button If persistent mode is r Wait for 30 seconds Hit the "Heater Off" bu Wait until timer counts Hit "To Zero" button to Hit "Lock Magnet Contro	not desired, stop here utton s down to zero o ramp leads down	
Possible Problems: A quench at around 10 a	amps usually means that the shim heater i ents could indicate several things - cont ndicates correct residual current after a	act an expert