REMOTE COMMANDS	NORMAL MODE
@CR – Current Setpoint	-20A to 20A (float)
@CP – Compensation Network	1 – 4
@OW – Over Temp Warning	125°C - 50°C
@OS – Over Temp Shutdown	150°C - 50°C
@OC – Over Current Setpoint	0A – 25A
@OV – Over Voltage Setpoint	0V – 80V
@OF – Off	
@SR – Slew Rate	0 A/sec – 30.0A/sec
@SB – Standby	
@RR – Reset	
@IC – Interlock Configuration	0.0;0.1;1.0;1.1 (interlock 3.interlock4) 1 is high
@FA – Restore Factory Settings	
@OP - Operate	
@RS – Regulation Setpoint	
REMOTE QUERIES	NORMAL or CALIBRATION MODE
?CU – Current?	-20A to 20A ±xx.yyy A_to_D Amps
?CR – Current Setpoint?	-20A to 20A ±xx.y
?CT – Current Setpoint Trim?	0 - 255
?CO – Converter Overhead?	(Smooth_O)
?CP – Compensation Network?	1 - 4
?OW – Over Temp Warning Setpoint	
?OS – Over Temp Shutdown Setpoint?	
?OC – Over Current Setpoint?	
?OV – Over Voltage Setpoint?	
?SR - Slew Rate?	
?CB – Current Readback Trim?	0 - 255
?IC – Interlock Configuration ?	
?MO – Local or Remote?	
?VC – Volts or Current?	
?ST – Current State?	OFF/STBY/OPR/CAL
?RG – Regulation Setpoint?	0 - 255
?BR – Baud Rate?	
?ID – Serial ID?	Serial Number
?ZV – Analog Voltage?	(Smooth_V)
?ZE – Analog Error?	(Smooth_E)
?ZC – Analog Lem Current?	(Smooth_L)
?ZN – Analog Converter Voltage?	(Smooth_C)
?ZT – Analog Heatsink Temperature?	(Smooth_T)
?ZS – Diagnostic Status?	
?CV – Converter Overhead Trim?	
?RV – Software Revision?	
OFFSET & GAIN parameters	Parameter

?XV – Voltage Offset	**SmoothV_offset**
?GV - Voltage Gain	**SmoothV_gain**
?XA – A to D Offset	**A_to_D_offset**
?XD – DAC Offset	**DAC_offset**
?XO – Converter Overhead Offset	**ConOvr_offset**
?GO – Converter Overhead Gain	**ConOvr_gain**
?XZ – LEM Offset	**LEM_offset**
?GL – LEM Gain	**LEM_gain**
?XC – Converter Voltage Offset	**ConVolt_offset**
?GC – Converter Voltage Gain	**ConVolt_gain**
?XT – Temperature Offset	**Temp_offset**
?GT – Temperature Gain	**Temp_gain**
?XE – Error Offset	**Error_offset**
?GE – Error Gain	**Error_gain**

Format of Quick Response Request: #my_address<LF>

Format of Command: #my_address@xx<LF>

Format of Query: #my_address?xx<LF>

Format of Ack: #0my_addressACK<LF>

Format of Nak: #0my_addressNAK<LF>

Format of Query Response: #0my_address!parameter<LF>

Format of Quick Response: See "Additions to existing Communications Protocol"

REMOTE COMMANDS	CALIBRATION MODE
@CS – Current Setpoint	-20A to 20A (float)
@CV – Converter Overhead Trim	0 – 10V
@CN – Compensation Network	1 – 4
@CB – Current Readback Trim AtoD	**0 - 255**
@CT – Current Setpoint Trim - DAC	0 - 255
@DG – DCCT Gain Trim	0 - 1023
@DO – DCCT Offset Trim	0 - 1023
@PG – PS Overall Gain (Trim)	0 - 1023
@PE – Store Calibration params in EEprom	
@PF – Store Factory parameters	
@PS – Store S/N	
	Parameter
@XV – Voltage Offset	SmoothV_offset
@GV - Voltage Gain	SmoothV_gain
@XA – A to D Offset	A_to_D_offset
@XD – DAC Offset	DAC_offset
@XO – Converter Overhead Offset	ConOvr_offset
@GO – Converter Overhead Gain	ConOvr_gain
@XZ – LEM Offset	LEM_offset
@GL – LEM Gain	LEM_gain
@XC – Converter Voltage Offset	ConVolt_offset
@GC – Converter Voltage Gain	ConVolt_gain
@XT – Temperature Offset	Temp_offset
@GT – Temperature Gain	Temp_gain
@XE – Error Offset	Error_offset
@GE – Error Gain	Error_gain