MODEL 4421-488
PROGRAMMING CARD

General Bus Commands

FUNCTION	COMMAND	DESCRIPTION
Initialize	INT	Place in factory-set default conditions
Command Trigger	TRG	Take a reading in T3 (one shot on trigger mode)
Software Hand-shake	XO XF	Enable software handshake Disable software handshake
Enter Data	ENT	Send a reading to RS-232 controller
Baud Select	B1 B2	Set to 110 Set to 300
	B3 B4 B5	Set to 600 Set to 1200 Set to 2400
	B6 B7	Set to 4800 Set to 9600

Device Dependant Commands

FUNCTION	COMMAND	DESCRIPTION
Measurement	FC FD	Forward Carrier Wave Forward dBm
	RC RD	Reflected Carrier Wave Reflected dBm
	SW RL	Standing Wave Ratio Return Loss
	MN MX	Minimum Loss Maximum Value
Range	RYY R00	Auto range on Lowest range
	R01 .	
	. .	
	R17 RNN	Highest range Auto range off—stick on present range
Terminators	YT YO YN	Two terminators: CR, LF One terminator: CR No terminator
Prefixes	PY PN	Prefix yes Prefix no
Triggers	T0 T1	Continuous on ENT One shot on ENT
	T3 T5	One shot on TRG One shot on measuerment command
Status	U0 U1 U2	Send back current machine state Send back error conditions Send back revision levels
Self-Test	J0	Run selt-test
Writable Store	WXXXXXX	Place XXXXXX in RAM

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General Bus Commands[1]

FUNCTION	DESCRIPTION
Remote (REN)[2] GO to Local (GTL)	Places module in remote mode Places module in local mode
Local Lockout (LLO) Interface Clear(IFC)	Lock out operation of power meter's front panel pushbuttons Places module in talker and listener idle states
Device Clear (DCL) Selective Device Clear (SDC)	Returns module to factory default condition Returns selected module to factory default condition
Group Execute Trigger (GET)	Provides trigger for T2 and T3 trigger modes
Serial Poll Enable/Disable (SPE/SPD)	Status byte is put on bus

[1] Refer to controller manual for structure of bus command.
[2] Letters within ( ) represent mnemonics for bus function.

Device Dependant Commands

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Measurement	FC FD	Forward Carrier Wave Forward dBm
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Range	RYY R00	Auto range on Lowest range
	R01 .	
	. .	
	R17 RNN	Highest range Auto range off—stick on present range
Terminators	YT YO YN	Two terminators: CR, LF One terminator: CR No terminator
Prefixes	PY PN	Prefix yes Prefix no
Triggers	T0 T1	Continuous on Talk One shot on Talk
	T2 T3	Continuous on GET One shot on Get
	T4 T5	Continuous on measurement Command One shot on measuerment command
Serial Polling	M00 M01	Do not generate SRQ Generate SRQ on Error (IDDC, IDDCO, Buffer Overflow)
	M02 M04 M08	Generate SRQ on measurement overrange Generate SRQ on measurement underrange Generate SRQ on operation complete
Status	U0 U1 U2	Send back current machine state Send back error conditions Send back revision levels
Self-Test	J0	Run selt-test
EOI Response	KY KN	Send EOI on last byte Do not send EOI on last byte
Writable Store	WXXXXXX	Place XXXXXX in RAM