

EasyFlux DL for CR3000 Wiring Diagram				R.J. Cook Agronomy Farm, revision 2017-05-02			
Description	Channel	Color	CR3000	Description	Channel	Color	CR3000
Sonic/IRGA control box (EC100)	SDM data	green	SDM-C1	GPS receiver (GPS16X-HVS)	msg transmit (TX)	white	COM 2 Rx
	SDM clock	white	SDM-C2		PPS	gray	COM 2 Tx
	SDM enable	red	SDM-C3		receive data (RX)	blue	earth (\equiv)
	SDM reference	black	G		shield	clear	earth (\equiv)
	SDM shield	clear	G		power in	red	12V
	power in	red	use +12V rail		power ground	black	G
	power ground	black	use -G rail		power switch	yellow	G
Cup & vane anemometer (034B)	WD signal	green	SE 23	Tipping bucket (TE525WS)	rain signal	black	P2
	WD excitation	blue	VX 1		signal reference	white	earth (\equiv)
	WD reference	white	earth (\equiv)		shield	clear	earth (\equiv)
	WS signal	red	P1	Soil T/VWC probes (TDR-315L)	SDI data	blue	C7
	WS reference	black	earth (\equiv)		power in	red	12V
	shield	clear	earth (\equiv)		power ground	white	G
Temperature/rel. humidity probe (HMP155A)	temp signal	yellow	DIFF 8H	Heat flux plate #1 (HFP01)	sensor signal	white	DIFF 1H
	RH signal	blue	DIFF 9H		sensor reference	green	DIFF 1L
	signal reference	white	DIFF 8L + DIFF 9L		shield	clear	earth (\equiv)
	power in	red	12V	Heat flux plate #2 (HFP01)	sensor signal	white	DIFF 2H
	power ground	black	G		sensor reference	green	DIFF 2L
	shield	clear	earth (\equiv)		shield	clear	earth (\equiv)
Net radiometer (NL-Lite2)	net rad signal	red	DIFF 10H	HFP tmpr. probe (TCAV)	sensor signal	violet	DIFF 5H
	signal reference	blue	DIFF 10L + earth (\equiv)		sensor reference	red	DIFF 5L
	shield	black	earth (\equiv)	Encl. door sensor	state detect	white	C8
PAR sensor (LI-190SB)	PAR signal	red	DIFF 11H		excitation	white	5V
	signal reference	black	DIFF 11L + earth (\equiv)				
	shield	clear	earth (\equiv)				

Devices connected to 12Vdc power rails:

- Datalogger
- Sonic/IRGA control box (EC100)
- Phenocam
- Power-over-Ethernet injector for wifi radio
- Modem (if present)