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| 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 trasmit (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* (⏚) |
| SDM reference | black | G | shield | clear | *earth* (⏚) |
| 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* (⏚) |
| WD reference | white | *earth* (⏚) | shield | clear | *earth* (⏚) |
| WS signal | red | P1 | Soil T/VWC probes  (TDR-315L) | SDI data | blue | C7 |
| WS reference | black | *earth* (⏚) | power in | red | 12V |
| shield | clear | *earth* (⏚) | 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* (⏚) |
| 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* (⏚) | shield | clear | *earth* (⏚) |
| 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* (⏚) | sensor reference | red | DIFF 5L |
| shield | black | *earth* (⏚) | 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* (⏚) |  |  |  |  |
| shield | clear | *earth* (⏚) |  |  |  |  |

Devices connected to 12Vdc power rails:

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