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| EasyFlux DL for CR3000 Wiring Diagram | | | | Revision 2024-Feb for EasyFlux v1.2 update | | | |
| **Description** | **Channel** | **Color** | **CR3000** | **Description** | **Channel** | **Color** | **CR3000** |
| Sonic/IRGA control box  (EC100) | SDM data | green | SDM-C1 | GPS receiver  (GPS16X-HVS) | PPS | gray | COM 2 🡪 **COM4 Tx (C7)** |
| SDM clock | white | SDM-C2 | transmit data (TX) | white | COM 2 🡪 **COM4 Rx (C8)** |
| 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 🡪 20~~ | Tipping bucket  (TE525WS) | rain signal | black | P2 🡪 **P1** |
| ~~WD excitation~~ | ~~blue~~ | ~~VX 1 🡪 VX3~~ | signal reference | white | *earth* (⏚) |
| ~~WD reference~~ | ~~white~~ | *~~earth~~* ~~(⏚)~~ | shield | clear | *earth* (⏚) |
| ~~WS signal~~ | ~~red~~ | ~~P1 🡪 P2~~ | Soil T/VWC probes  (TDR-315L) | SDI data | blue | C7 🡪 **C5** |
| ~~WS reference~~ | ~~black~~ | *~~earth~~* ~~(⏚)~~ | power in | red | *use +12V rail* |
| ~~shield~~ | ~~clear~~ | *~~earth~~* ~~(⏚)~~ | power ground | white | *use -G rail* |
| Temperature/  rel. humidity probe  (HMP155A) | temp signal | yellow | DIFF 8H 🡪 **SE 27** | Heat flux plate #1  (HFP01) | sensor signal | white | DIFF 1H |
| RH signal | blue | DIFF 9H 🡪 **SE 28** | sensor reference | green | DIFF 1L |
| signal reference | white | ***earth* (⏚)** | 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 🡪 **DIFF 6H** | HFP tmpr. probe  (TCAV) | sensor signal | violet | DIFF 5H 🡪 **DIFF 11H** |
| signal reference | blue | DIFF 10L 🡪 **DIFF 6L** + jumper to *earth* (⏚) | sensor reference | red | DIFF 5L 🡪 **DIFF 11L** |
| shield | black | *earth* (⏚) | shield | clear | *earth* (⏚) |
| PAR sensor  (LI-190SB) | PAR signal | red | DIFF 11H 🡪 **DIFF 8H** | Encl. door sensor | state detect | white | C8 🡪 **C6** |
| signal reference | black | DIFF 11L 🡪 **DIFF 8L** + jumper to *earth* (⏚) | excitation | white | 5V |
| signal ground | white | *earth* (⏚) | Charge controller (TriStar TS-45) | Serial Rx (pin 2) |  | COM1 Tx (C1) |
| shield | clear | *earth* (⏚) | Serial Tx (pin 3) |  | COM1 Rx (C2) |
|  |  |  |  | Serial G (pin 5) |  | G |
|  |  |  |  | +5V (DTR/pin 4) |  | 5V |
|  |  |  |  | Ground (RTS/pin 7) |  | G |
|  |  |  |  |  |  |  |  |
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