Wiring Diagram: BU Primary CR10X Configuration (PRIMARY.CSI)

| **HMP45C Temperature & Relative Humidity Probe** | **CR10X** |
|---|---|
| Yellow (temperature signal) | SE2 |
| Blue (relative humidity signal) | SE1 |
| Purple (signal reference) | AG |
| Orange (power control) | C1 |
| Red (12V DC power) | 12V |
| Black (power ground) | G |
| Clear (shield) | G |

| **MET1 034A-L Windset** | **CR10X** |
|---|---|
| Blue (azimuth excitation) | E1 |
| Green (azimuth signal) | SE3 |
| White (azimuth reference) | AG |
| Red (wind speed pulse output) | P1 |
| Black (wind speed pulse reference) | G |
| Clear (shield) | G |

| **TE525 Tipping Bucket Rain Gage** | **CR10X** |
|---|---|
| Black (signal) | P2 |
| White (signal return) | G |
| Clear (shield) | G |

| **CS105 Barometric Pressure Sensor** | **CR10X** |
|---|---|
| Blue (pressure-VOUT) | SE4 |
| Yellow (signal ground) | AG |
| Red (12V DC power) | 12V |
| Black (power ground) | G |
| Green (control) | C2 |
| Clear (shield) | G |

## CNR-1 Net Radiometer — CR10X

**CNR1 (single ended measurements)**

| | |
|---|---|
| Red (CM3 up+) | SE5 |
| Blue (CM3 up-) | AG |
| Gray (CG3 up+) | SE 7 |
| Yellow (CG3 up-) | AG |
| White (CM3 down +) | SE6 |
| Black (CM3 down -) | AG |
| Brown (CG3 down +) | SE8 |
| Green (CG3 down -) | AG |
| Clear (shield) | G |

**PT 100 (temperature sensor) and heater** — **4WPB100** — **CR10X**

| | | |
|---|---|---|
| | Black | E3 |
| | H | D5H |
| Red (PT100 excitation +) | L | D5L |
| Blue (PT100 excitation -) | G | AG |
| Yellow (PT100 SIgnal +) | | 6H |
| Green (PT100 Signal -) | | 6L |
| Clear (shield) | | G |

Note: PT100 wiring MUST include the 4WPB100 module. Module plugs into D5 H & L ports and adjacent AG port. Red wire connects to 4WPB100 L port; Blue wire connects to 4WPB100 G port. 4WPB100 H port remains empty. 4WPB100 black wire connects to E3 port.