

## Field Wiring Reference Table

**58 x 2V sectioned as 15+14+14+15**

Wire	Color	CB#1	√	CB#2	√	CB#3	√	CB#4	√	CB#5	√	CB#6	√
#1	BROWN	RM+	<b>BUS+</b>	B6+		B11+		B16+		B21+		B26+	
#2	RED	RM+		B6-		B11-		B16-		B21-		B26-	
#3	ORANGE	B1+		B7+		B12+		B17+		B22+		B27+	
#4	YELLOW	B1-		B7-		B12-		B17-		B22-		B27-	
#5	GREEN	B2+		B8+		B13+		B18+		B23+		B28+	
#6	BLUE	B2-		B8-		B13-		B18-		B23-		B28-	
#7	VIOLET	B3+		B9+		B14+		B19+		B24+		B29+	
#8	SLATE	B3-		B9-		B14-		B19-		B24-		B29-	
#9	WHITE	B4+		B10+		B15+		B20+		B25+		B30+	
#10	BLACK	B4-		B10-		B15-		B20-		B25-		B30-	
#11	TAN	B5+		T1+		RM1	<b>15-</b>	T2+		NC		RM2	<b>29-</b>
#12	PINK	B5-		T1-		RM1		T2-		NC		RM2	

Wire	Color	CB#7	√	CB#8	√	CB#9	√	CB#10	√	CB#11	√	CB#12	√
#1	BROWN	B31+		B36+		B41+		B46+		B51+		B57+	
#2	RED	B31-		B36-		B41-		B46-		B51-		B57-	
#3	ORANGE	B32+		B37+		B42+		B47+		B52+		B58+	
#4	YELLOW	B32-		B37-		B42-		B47-		B52-		B58-	<b>58-</b>
#5	GREEN	B33+		B38+		B43+		B48+		B53+		B59+	
#6	BLUE	B33-		B38-		B43-		B48-		B53-		B59-	
#7	VIOLET	B34+		B39+		B44+		B49+		B54+		B60+	
#8	SLATE	B34-		B39-		B44-		B49-		B54-		B60-	
#9	WHITE	B35+		B40+		B45+		B50+		B55+		NS1	
#10	BLACK	B35-		B40-		B45-		B50-		B55-		NS1	
#11	TAN	CT+12		CTIS		RM3	<b>43-</b>	T3+		B56+		RM-	<b>BUS-</b>
#12	PINK	CT-12		CTGD		RM3		T3-		B56-		RM-	

T1: Ambient Temperature, mount to battery rack to sense the air temperature.

T2: Pilot, mount to BAT#20 cleaned surface with 3M VHB tape. T3: Pilot, mount to BAT#50 surface.

**All voltage sensing leads to battery posts are using 500mA fuses. 5 IR leads are using 10A fuses.**

**Do NOT cut excess cables, keep and secure as service loops.**

RM+ (2-wire merged) on top of BAT#1+ post. RM-(2-wire) on top of BAT#58- post. **10A** fuses.

RM1 (2-wire merged) on BT#15-. RM2 (2-wire) on BT#29-. RM3 (2-wire) on BT#43- post. **10A** fuses.

B59+ merges with B58- to avoid voltage-drop alarm.

CT+12V, CT-12V, CTIS, CTGD to Current Transducer 4-wire (Red/White/Green/Black).

NC is not connected. (Spare wires, replacing broken wire.) NS1 and NS2 are not connected.