Title:	Temperature and RH are too High	ID:
		0233

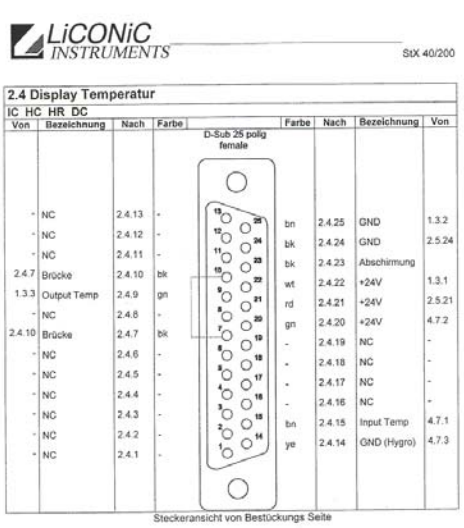
Date in:	Response:	Model:	Author:
2006-03-06	2006-03-06	-	CMa

Q:

The temperature is too high. The display says ~40C but the inside temp is around 31.2C. Also RH seems to be off as well. During the night CO2 went up to 10%. The data inputs on the PLC 006, 007, 008 seem to be flickering normally. I think this guy need new TEMP/ RH probe.

A:

Does temp changes when he opens the door? Could be a lose (ground wire). The pots are the same as on the CO2 display. Note that temp. and RH have one common ground. Signal ground is not connected on the RH display. When you change the offset on the temp display this will change the rh reading as well. They can also read the sensor voltage (+0.370V = 37.0 Deg.C) (Pin 14 and 15). The sensor is fine if you read correct voltage between pin 14 and 15.



LiCONiC INSTRUMENTS StX 40/200

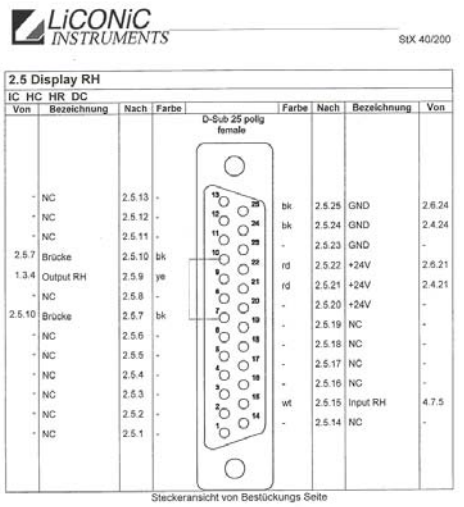
2.4 Display Temperatur

IC HC HR DC

Von	Bezeichnung	Nach	Farbe		Farbe	Nach	Bezeichnung	Von
-	NC	2.4.13	-	D-Sub 25 polig female	bn	2.4.25	GND	1.3.2
-	NC	2.4.12	-		bk	2.4.24	GND	2.5.24
-	NC	2.4.11	-		bk	2.4.23	Abschirmung	
2.4.7	Brücke	2.4.10	bk		wt	2.4.22	+24V	1.3.1
1.3.3	Output Temp	2.4.9	gn		rd	2.4.21	+24V	2.5.21
-	NC	2.4.8	-		gn	2.4.20	+24V	4.7.2
2.4.10	Brücke	2.4.7	bk		-	2.4.19	NC	-
-	NC	2.4.6	-		-	2.4.18	NC	-
-	NC	2.4.5	-		-	2.4.17	NC	-
-	NC	2.4.4	-		-	2.4.16	NC	-
-	NC	2.4.3	-		bn	2.4.15	Input Temp	4.7.1
-	NC	2.4.2	-		ye	2.4.14	GND (Hygro)	4.7.3
-	NC	2.4.1	-					

Steckeransicht von Bestückungs Seite

STX40_200 Steckerübersicht 2.0.doc 29 15.04.03



LiCONiC INSTRUMENTS StX 40/200

2.5 Display RH

IC HC HR DC

Von	Bezeichnung	Nach	Farbe		Farbe	Nach	Bezeichnung	Von
-	NC	2.5.13	-	D-Sub 25 polig female	bk	2.5.25	GND	2.6.24
-	NC	2.5.12	-		bk	2.5.24	GND	2.4.24
-	NC	2.5.11	-		-	2.5.23	GND	-
2.5.7	Brücke	2.5.10	bk		rd	2.5.22	+24V	2.6.21
1.3.4	Output RH	2.5.9	ye		rd	2.5.21	+24V	2.4.21
-	NC	2.5.8	-		-	2.5.20	+24V	-
2.5.10	Brücke	2.5.7	bk		-	2.5.19	NC	-
-	NC	2.5.6	-		-	2.5.18	NC	-
-	NC	2.5.5	-		-	2.5.17	NC	-
-	NC	2.5.4	-		-	2.5.16	NC	-
-	NC	2.5.3	-		wt	2.5.15	Input RH	4.7.5
-	NC	2.5.2	-		-	2.5.14	NC	-
-	NC	2.5.1	-					

Steckeransicht von Bestückungs Seite

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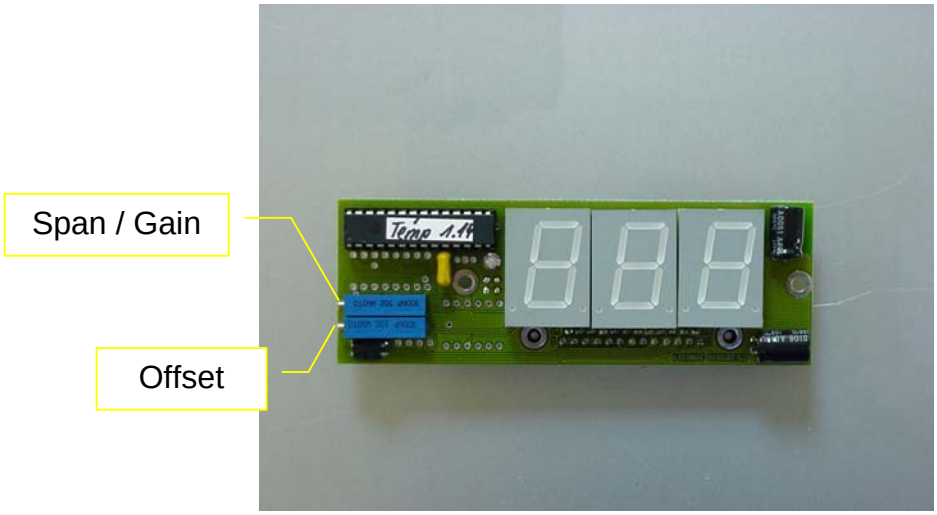
Span / Gain
Offset