

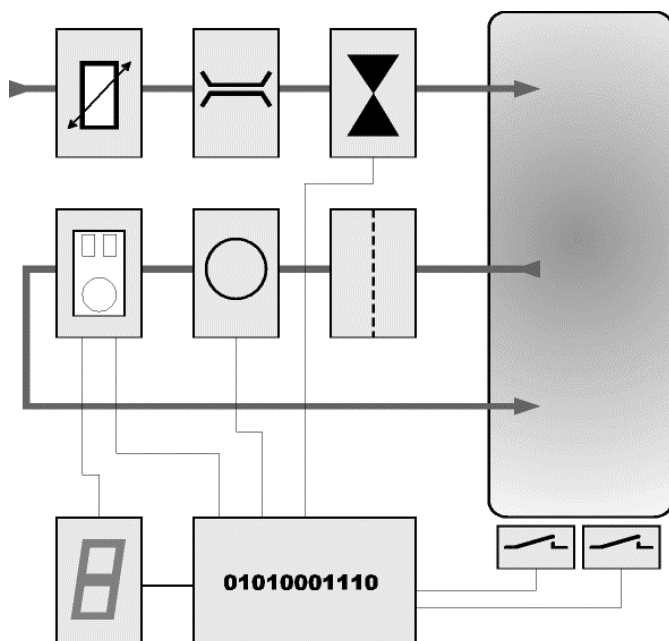
Title:	CO2 Incubator that is not detecting CO2			ID:
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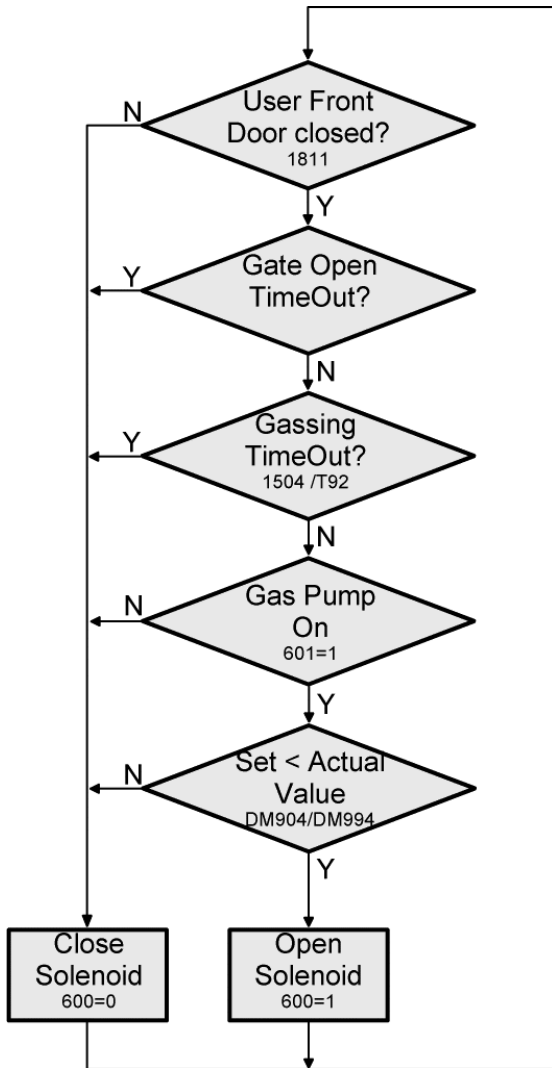
CO2 Incubator that is not detecting CO2. It reads "0" CO2 in both the software and on the incubator's display. Our FSE was in there today and was able to bypass the sensor and valve. He > said the incubator did fill with CO2. He is suspecting the CO2 sensor to > be bad. I sent an email to Cosmas last night explaining the situation.

It would be the best if the FSE could give me a call when he's at the instrument. First he should take a open-end hose and fill CO2 through the opening in the glass door (~2bars pressure). After ~30..45 s the readout should increase. If not there are three possibilities:

- connection to the display is bad
- the measurement hose is blocked
- sensor is bad.

On earlier systems we used silicon tubes. They could easily block when they were bent to much. Another possibility is that the air filter is filled with water. Check for condensation in the hoses. The voltage at the display Signal In (pin 15 is 5..6 VDC. Before you replace the sensor read the Signal Voltage. It should be 5..6V (5 V =0% CO2, 6 V= 10%CO2) The Signal is the 3rd connector lead on the connector port. It's marked with "SIG+" and you can measure it against Ground.





Name: Ldw1(KV40/80)

[Ladder Diagram]

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2.6 Display CO2
IC HC HR DC

Pin	Signal	Color	Terminal	Signal	Pin
2.4.13	NC	-	-	GND	2.4.25
2.4.12	NC	-	-	GND	2.4.24
2.4.11	NC	-	bu	GND	2.4.23
2.4.10	Brücke	bk	-	GND	2.4.22
2.4.9	Signal OUT	gy	-	+24V	2.4.21
2.4.8	NC	-	rd	+24V	2.4.20
2.4.7	Brücke	bk	-	NC	2.4.19
2.4.6	NC	-	-	NC	2.4.18
2.4.5	NC	-	-	NC	2.4.17
2.4.4	NC	-	-	NC	2.4.16
2.4.3	NC	-	bn	Signal IN	2.4.15
2.4.2	NC	-	-	NC	2.4.14
2.4.1	NC	-	-	NC	2.4.14

Steckeransicht von Bestückungs Seite

