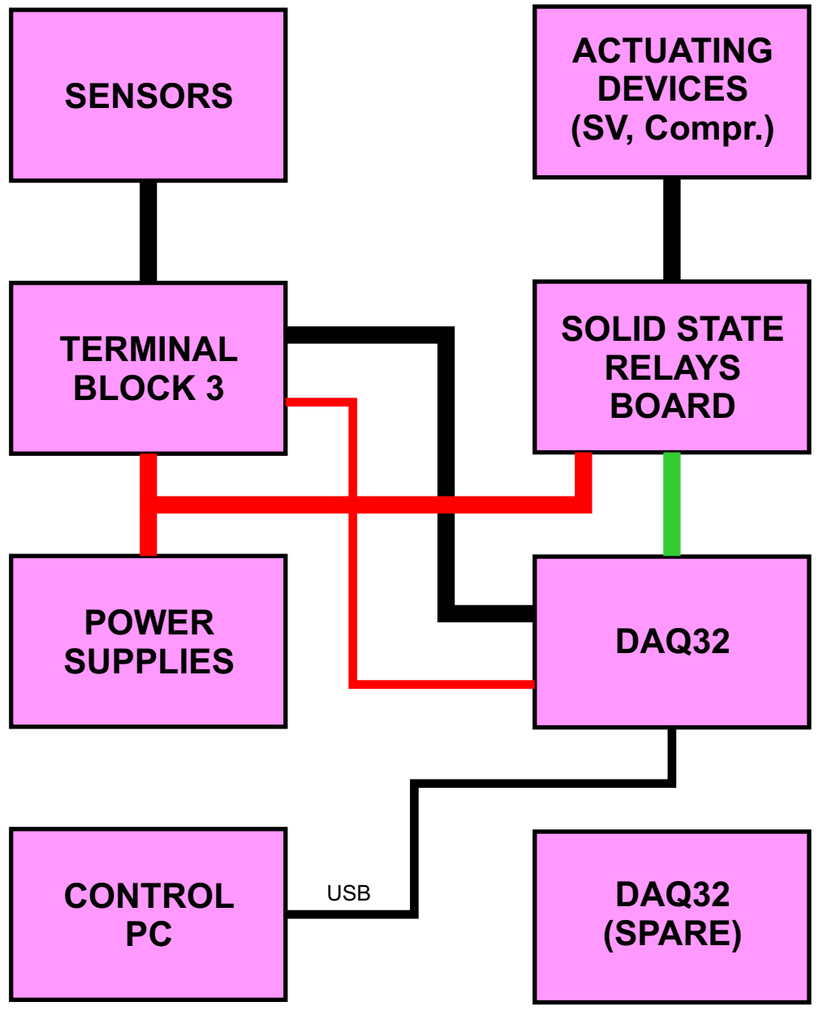

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COMMON LAYOUT		
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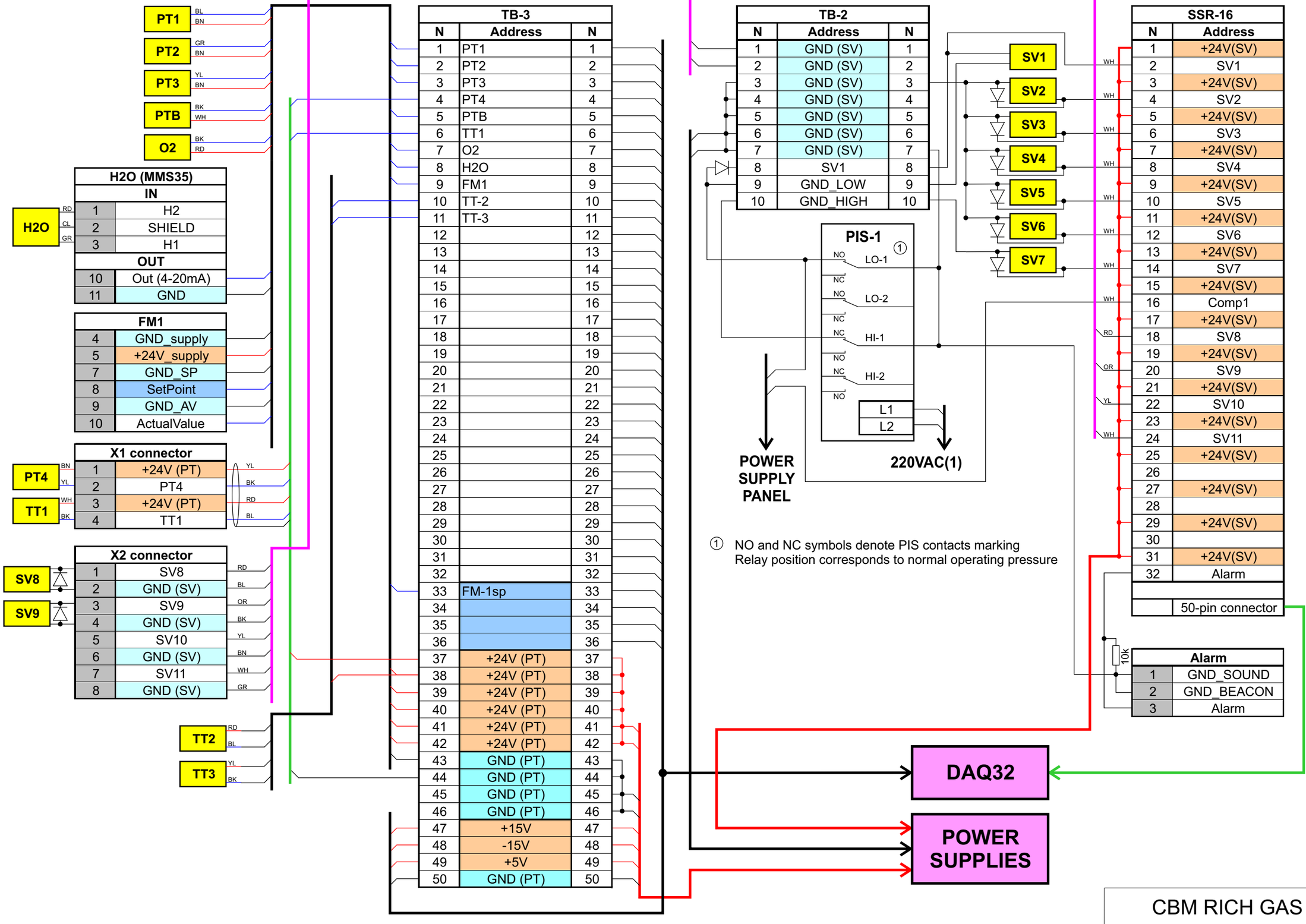

CBM RICH GAS SYSTEM

GAS SYSTEM WIRING

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DAQ32_analog			
Pin	Type	Name	Ch
4B	AI	PT-1	0
4C	AI	PT-2	1
5B	AI	PT-3	2
5C	AI	PT-4	3
6B	AI	PTB	4
6C	AI	TT-1	5
7B	AI	O2	6
7C	AI	H2O	7
8B	AI	FM1	8
8C	AI		9
9B	AI		10
9C	AI		11
10B	AI		12
10C	AI		13
11B	AI		14
11C	AI		15
12B	AI		16
12C	AI		17
13B	AI		18
13C	AI		19
14B	AI		20
14C	AI		21
15B	AI		22
15C	AI		23
16B	AI		24
16C	AI		25
17B	AI		26
17C	AI		27
18B	AI		28
18C	AI		29
19B	AI		30
19C	AI		31
21B	DAC	FM-1sp	0
21C	DAC		1
22B	DAC		2
22C	DAC		3
20B	GNDA	GND (PT)	
20C	GNDA		
1A	GNDA		
1B	GNDA	GND (PT)	
1C	GNDA		

TB-3		
N	Address	N
1	PT1	1
2	PT2	2
3	PT3	3
4	PT4	4
5	PTB	5
6	TT1	6
7	O2	7
8	H2O	8
9	FM1	9
10	TT-2	10
11	TT-3	11
12		12
13		13
14		14
15		15
16		16
17		17
18		18
19		19
20		20
21		21
22		22
23		23
24		24
25		25
26		26
27		27
28		28
29		29
30		30
31		31
32		32
33	FM-1sp	33
34		34
35		35
36		36
37	+24V (PT)	37
38	+24V (PT)	38
39	+24V (PT)	39
40	+24V (PT)	40
41	+24V (PT)	41
42	+24V (PT)	42
43	GND (PT)	43
44	GND (PT)	44
45	GND (PT)	45
46	GND (PT)	46
47	+15V	47
48	-15V	48
49	+5V	49
50	GND (PT)	50

DAQ32_digital			
Pin	Type	Name	Ch
23C	DO	SV1	0
24B	DO	SV2	1
24C	DO	SV3	2
25B	DO	SV4	3
25C	DO	SV5	4
27A	DO	SV6	5
28A	DO	SV7	6
29A	DO	C1	7
26A	DO		8
25A	DO		9
24A	DO		10
23A	DO		11
22A	DO		12
21A	DO		13
20A	DO		14
19A	DO	Alarm	15
23B	GND		
32A	GND		
32B	GND	GND (PT)	
32C	GND	GND (PT)	
31A	+5V	+5V(SSR)	
31B	+5V	+5V(SSR)	
31C	+5V	+5V	
2A	+5VA	+5V	
2B	-15V		
2C	-15V	-15V	
3A	+15V	+15V	
3B	+15V		
3C	+15V		

SSR-16 (50-pin connector)		
Pin	Address	Ch
47	SV1	0
45	SV2	1
43	SV3	2
41	SV4	3
39	SV5	4
37	SV6	5
35	SV7	6
33	C1	7
31		8
29		9
27		10
25		11
23		12
21		13
19		14
17	Alarm	15
1	+5V(SSR)	
49	+5V(SSR)	
2,4...50	GND (PT)	

Green color corresponds to current input channels with shunt resistor 301.2 Ohm,
Yellow color corresponds to voltage input channels (0..+10VDC)

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DAQ32 CABLES

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TB-1		
N	Address	N
11	+24V (PT)	11
12	+24V (PT)	12
13	GND (PT)	13
14	GND (PT)	14
15	+24V (SV)	15
16	+24V (SV)	16
17	GND (SV)	17
18	GND (SV)	18
19	+15V	19
20	-15V	20
21	+5V	21
22	GND (PT)	22

TB-3

SSR-16

TB-2

TB-3

PS-3

1	+24V (PT)	L	1
2	+24V (PT)	N	2
3	GND (PT)	GND	3
4	GND (PT)		
5	DC_OK		

FUSE 3 (2A)

PS-2

1	+24V(SV)	L	1
2	+24V(SV)	N	2
3	GND (SV)	GND	3
4	GND (SV)		
5	DC_OK		
6	DC_OK		

FUSE 2 (4A)

PS-1

1	GND (PT)	L	1
2	+5V	N	2
3	-15V	GND	3
4	GND (PT)		
5	+15V		

FUSE 1 (2A)

Wall socket

2 L — 6A

1 L — 16A

220VAC(2)

220VAC(1)

220VAC(1)

SOCKET STRIP

220VAC(1)

Crouzet SSR

1	L1
2	T1
3	Comp1
4	GND_LOW
TB	
48	GND
49	N
50	L

SSR-16

TB-2

COMPRESSOR

TIC-2	
N	Address
1	TC+
2	TC-
3	SSR+
4	SSR-
5	RELAY
6	RELAY
7	L
8	N

DRYER

THERMOCOUPLE

HEATER

FUSE (2A) SW1

TIC-1	
N	Address
1	TC+
2	TC-
3	SSR+
4	SSR-
5	RELAY
6	RELAY
7	L
8	N

PURIFIER

THERMOCOUPLE

HEATER

FUSE (2A) SW2

TB-4	
N	Address
41	GND
42	
43	N
44	N
45	N
46	L
47	L

PIS

220VAC(1)

CONTROL PC

USB

DAQ32

CBM RICH GAS SYSTEM

POWER SUPPLIES AND TICS

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