PEP SMART I/O PLC

Power 24 V
(18…36V)

GND - +

Serial Download

Slot Nr = `logical_address`

Slot 1 Slot 2 Slot 3

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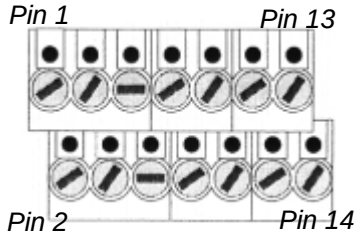
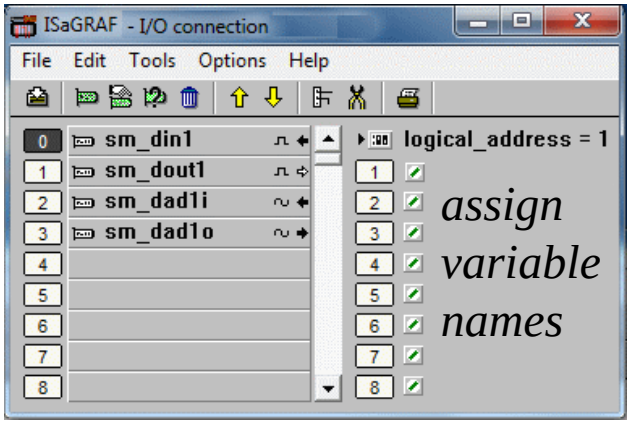
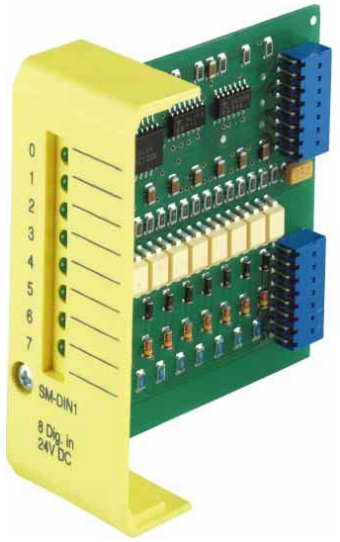
• Slot 1 SM-DIN1



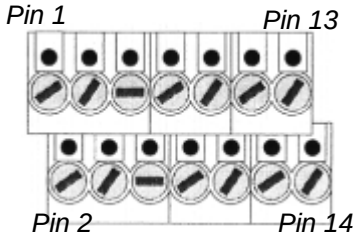
Digital input

Pin Nr.	Signal	LED	Pin Nr.	Signal	LED
1	GND 1		2	GND 5	
3	1	0	4	5	4
5	2	1	6	6	5
7	GND 2		8	GND 6	
9	3	2	10	7	6
11	4	3	12	8	7
13	GND 3, 4		14	GND 7, 8	



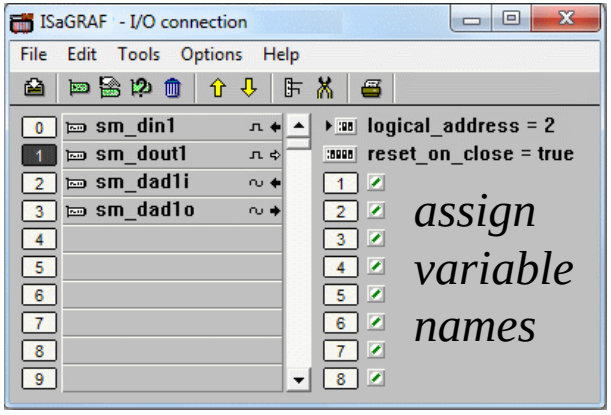


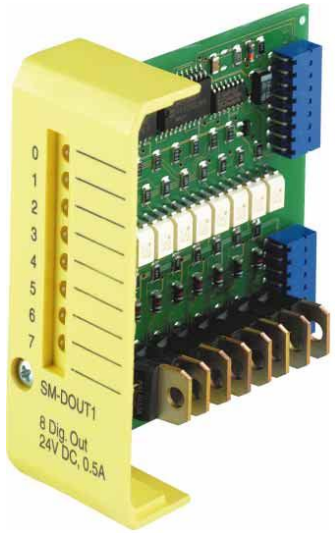
• Slot 2 SM-DOUT1



Digital output

Pin Nr.	Signal	LED	Pin Nr.	Signal	LED
1	V+ 1, 2		2	V+ 5, 6	
3	1	0	4	5	4
5	2	1	6	6	5
7	V+ 3, 4		8	V+ 7, 8	
9	3	2	10	7	6
11	4	3	12	8	7
13	GND 1…4		14	GND 5…8	





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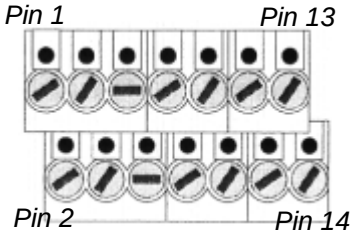
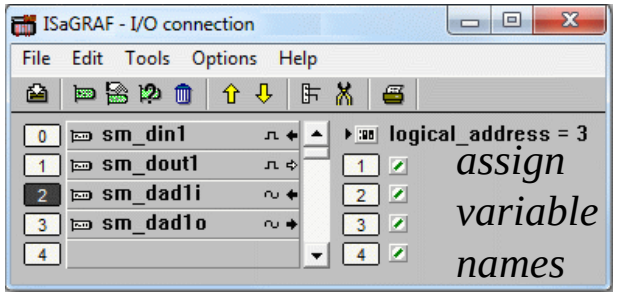
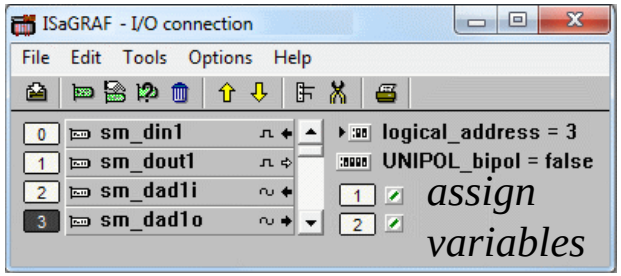
- **Slot 3 SM-DAD1**



Analog input/output

Pin Nr.	Signal	Pin Nr.	Signal
1	IN1(+)	2	IN3(+)
3	IN1(-)	4	IN3(-)
5	AGND	6	AGND
7	IN2(+)	8	IN4(+)
9	IN2(-)	10	IN4(-)
11	OUT1	12	OUT2
13	AGND	14	AGND





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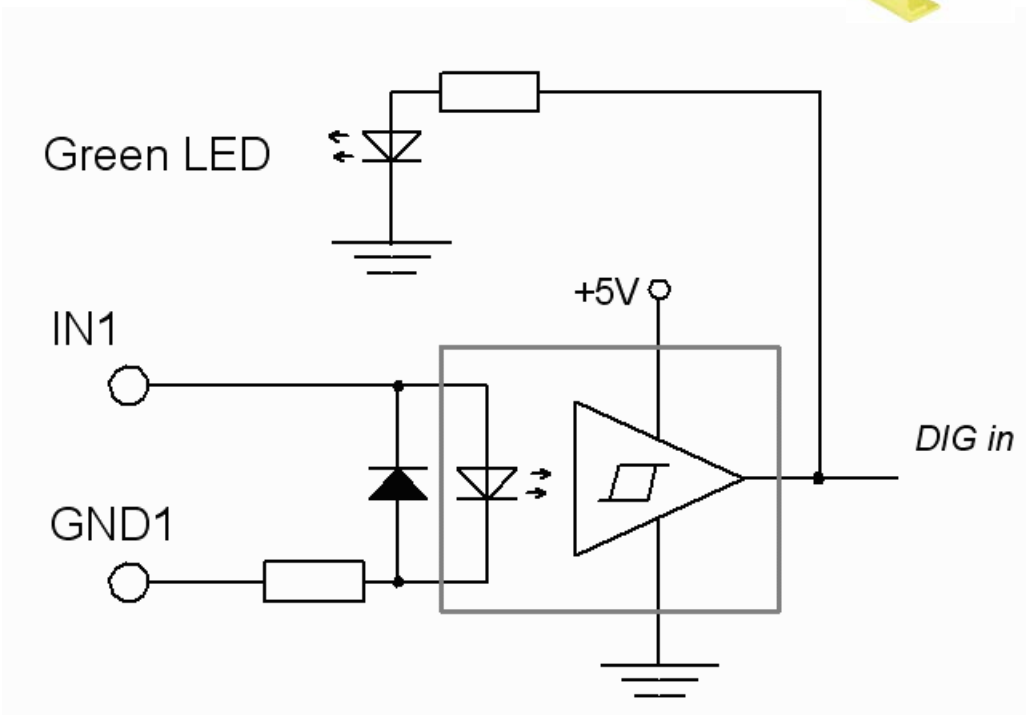
Connecting to digital input



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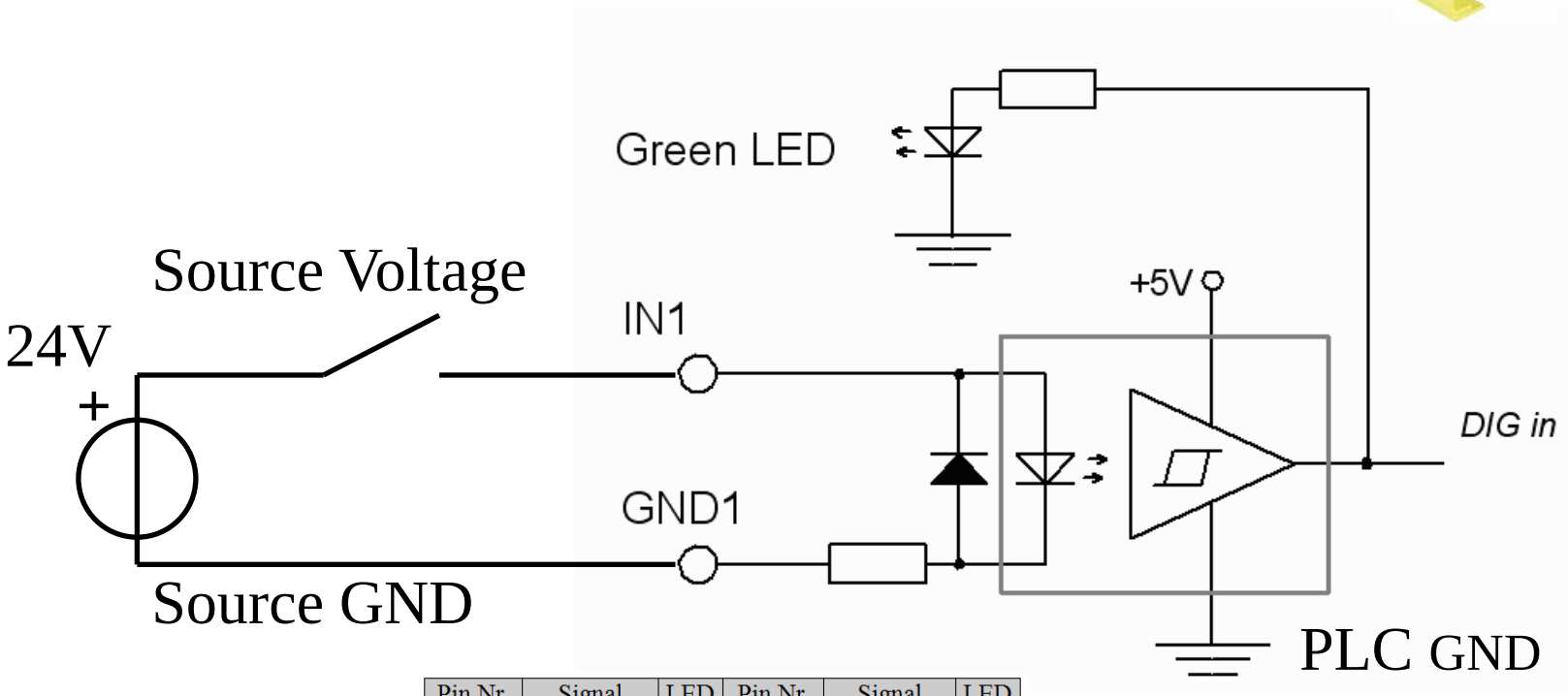
Connecting to digital input



Pin Nr.	Signal	LED	Pin Nr.	Signal	LED
1	GND 1		2	GND 5	
3	1	0	4	5	4
5	2	1	6	6	5
7	GND 2		8	GND 6	
9	3	2	10	7	6
11	4	3	12	8	7
13	GND 3, 4		14	GND 7, 8	

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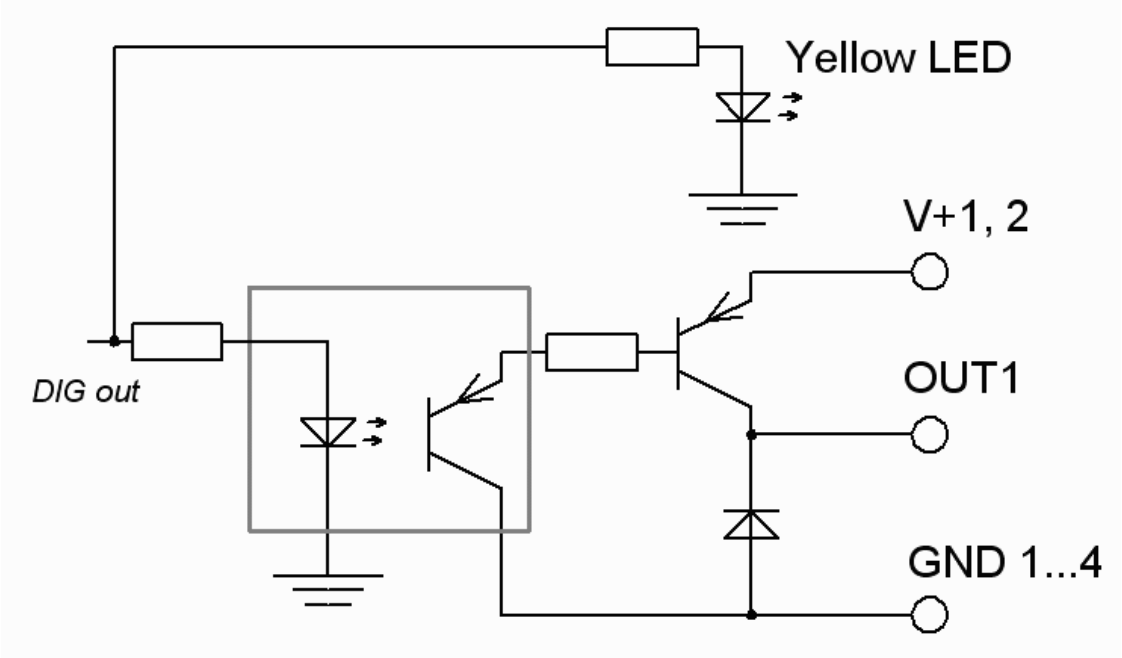
Connecting to digital output



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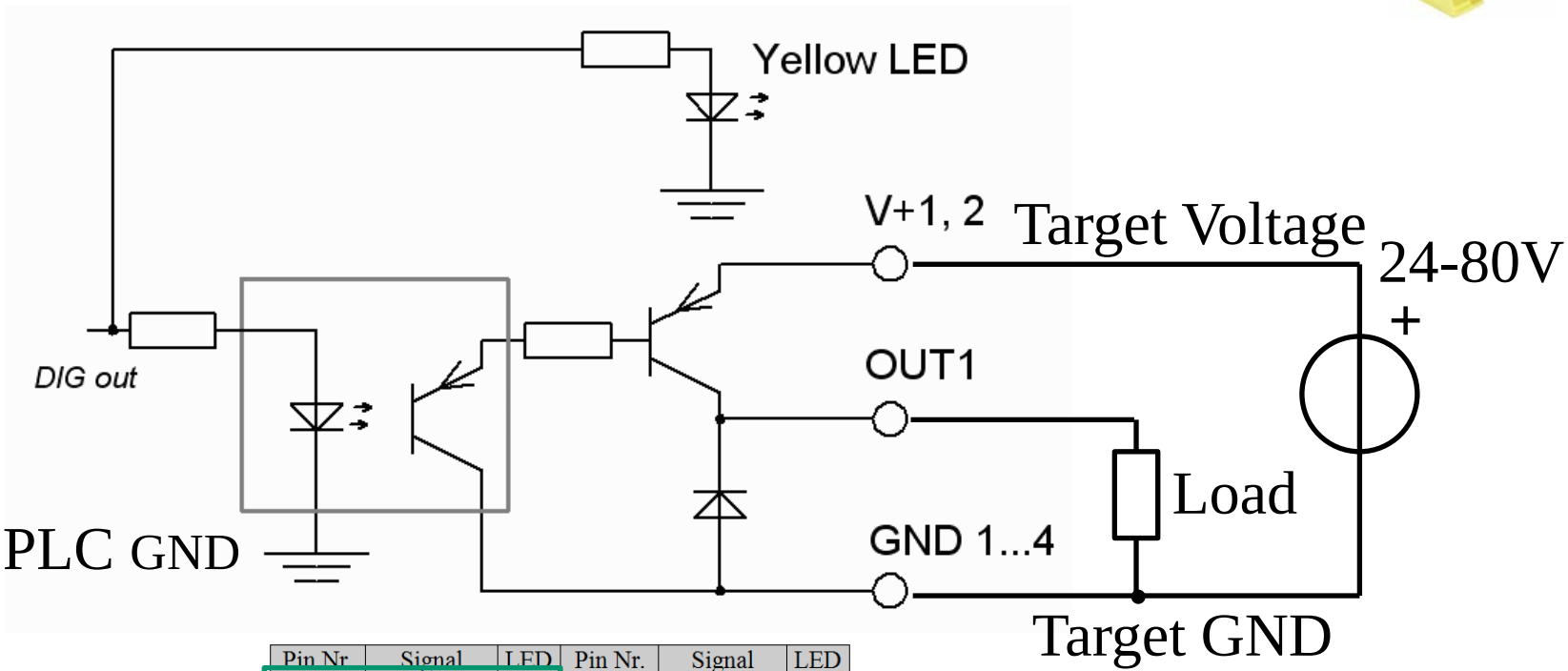
Connecting to digital output



Pin Nr	Signal	LED	Pin Nr.	Signal	LED
1	V+ 1, 2		2	V+ 5, 6	
3	1	0	4	5	4
5	2	1	6	6	5
7	V+ 3, 4		8	V+ 7, 8	
9	3	2	10	7	6
11	4	3	12	8	7
13	GND 1...4		14	GND 5...8	

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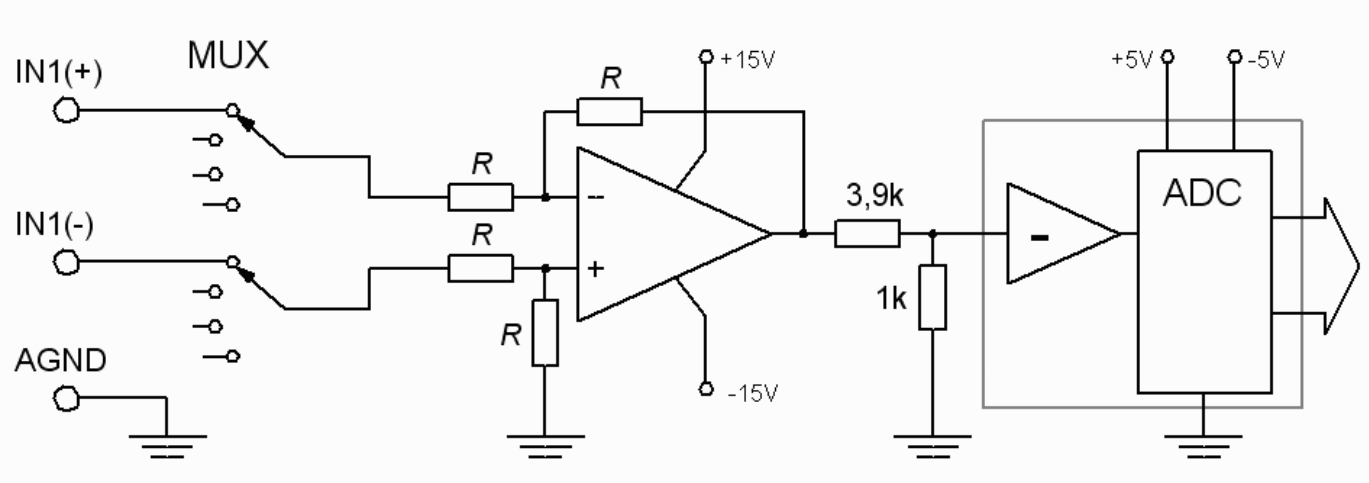
Connecting to analog input

Differential signal?



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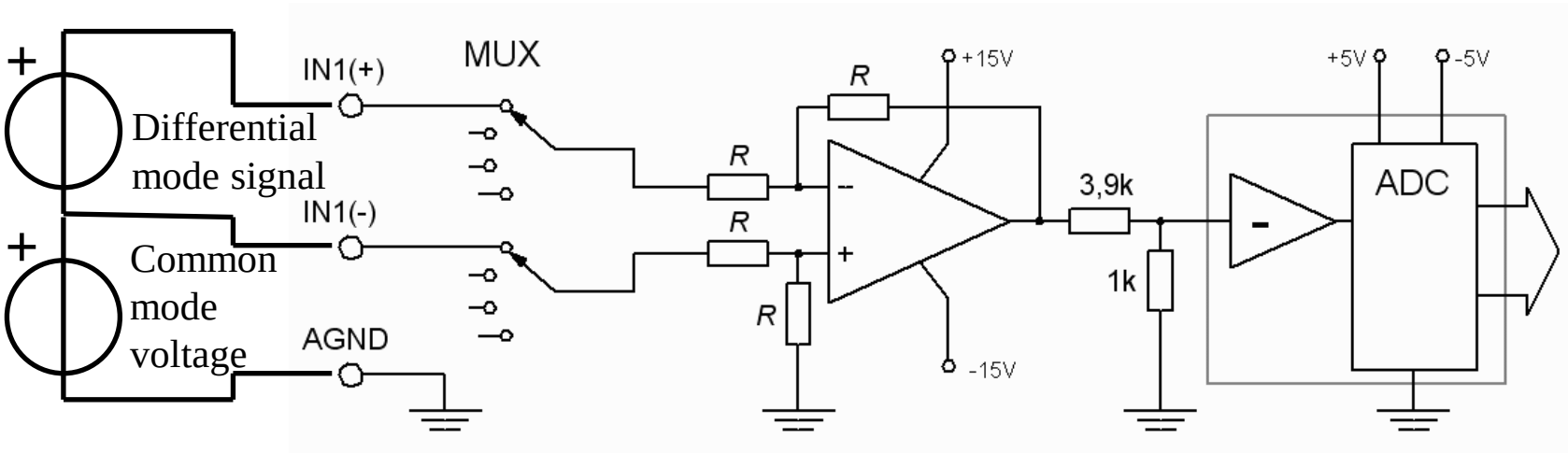
Connecting to analog input

Differential signal



Pin Nr.	Signal	Pin Nr.	Signal
1	IN1(+)	2	IN3(+)
3	IN1(-)	4	IN3(-)
5	AGND	6	AGND
7	IN2(+)	8	IN4(+)
9	IN2(-)	10	IN4(-)
11	OUT1	12	OUT2
13	AGND	14	AGND

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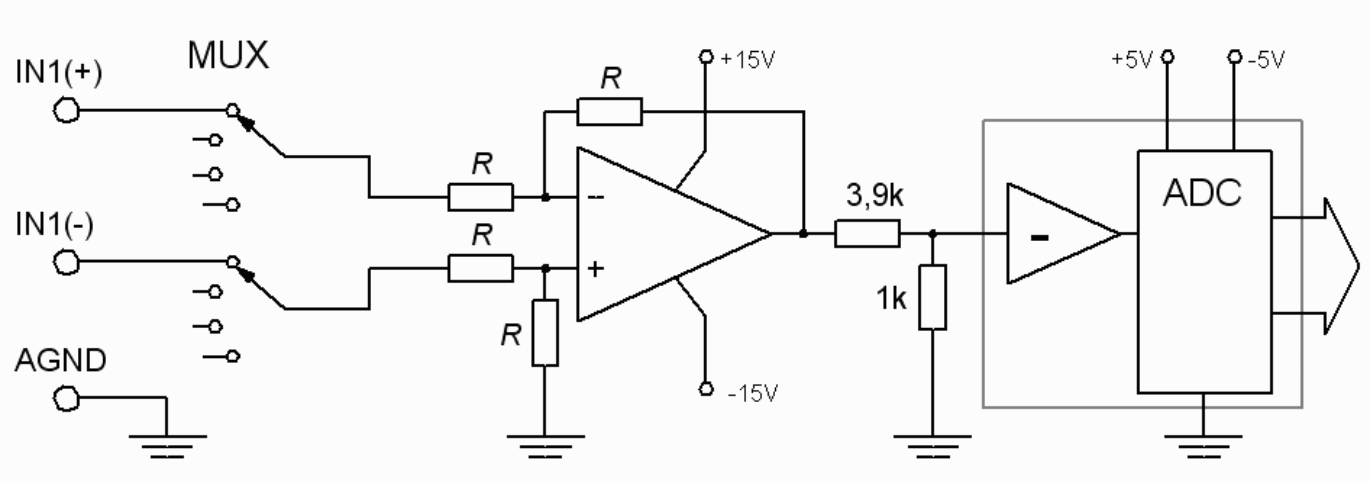
Connecting to analog input

Single ended signal?



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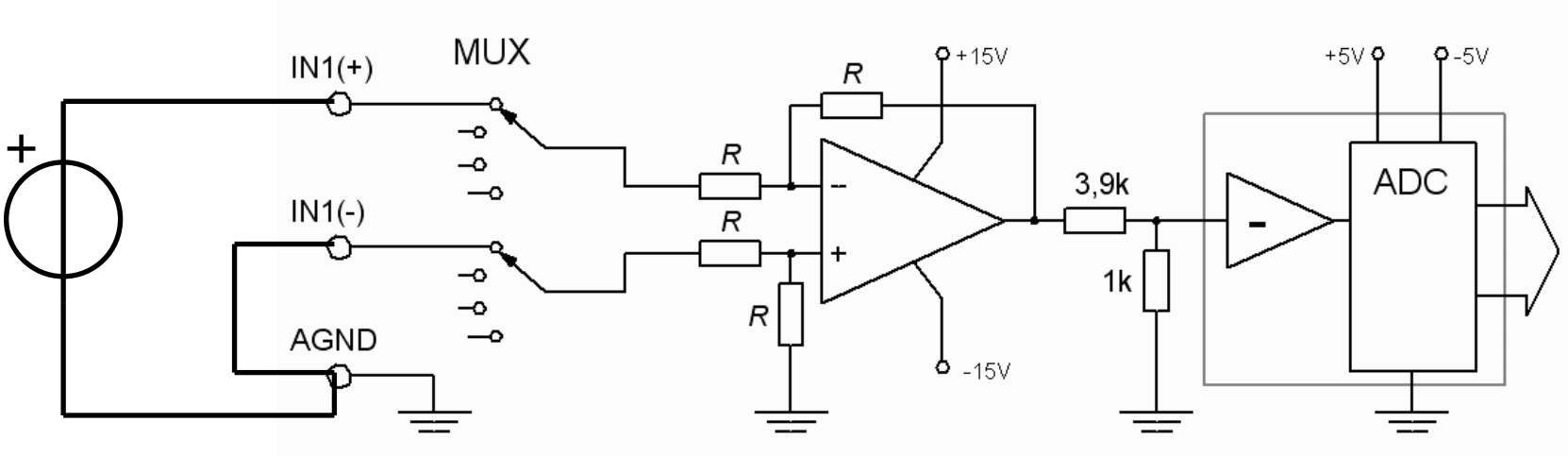
Connecting to analog input

Single ended signal



Pin Nr.	Signal	Pin Nr.	Signal
1	IN1(+)	2	IN3(+)
3	IN1(-)	4	IN3(-)
5	AGND	6	AGND
7	IN2(+)	8	IN4(+)
9	IN2(-)	10	IN4(-)
11	OUT1	12	OUT2
13	AGND	14	AGND

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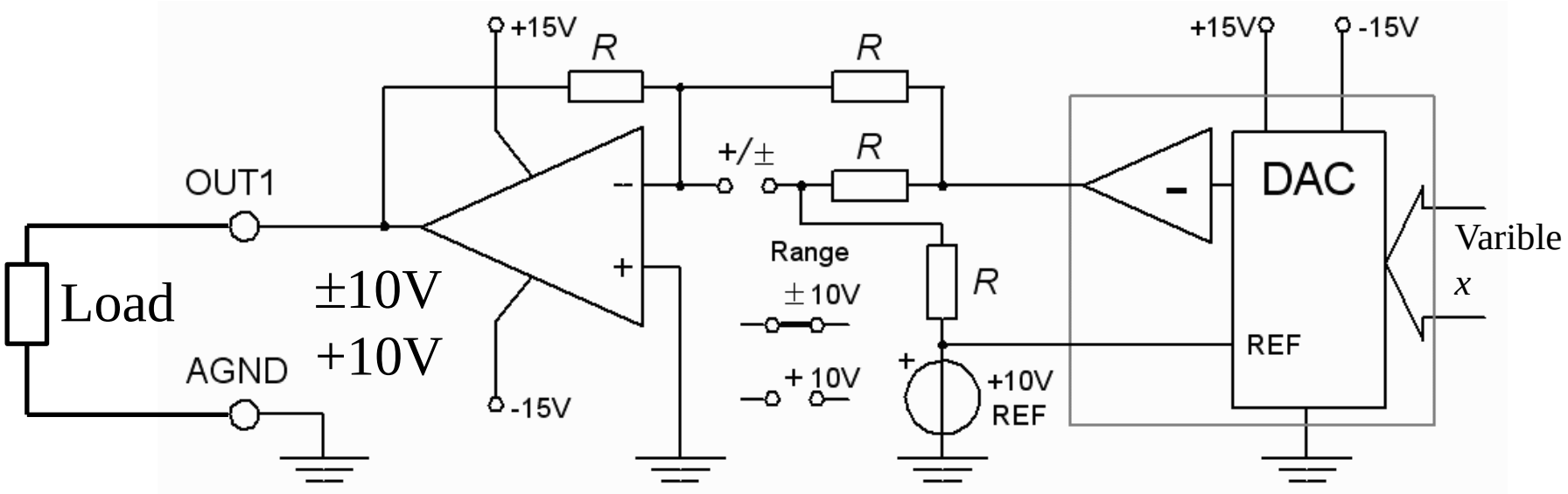
Connecting to analog output

Single ended output



Analog output can be unipolar (+) or bipolar (±). Setting must be known by program.

Pin Nr.	Signal	Pin Nr.	Signal
1	IN1(+)	2	IN3(+)
3	IN1(-)	4	IN3(-)
5	AGND	6	AGND
7	IN2(+)	8	IN4(+)
9	IN2(-)	10	IN4(-)
11	OUT1	12	OUT2
13	AGND	14	AGND

Two outputs can together form a differential output if driven by x and $-x$.

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