



BAS920DI

Datasheet

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BAS920DI is a digital input module for BAS920 I/O port expansion.

BAS920DI has 8 inputs, which may be configured for simple digital inputs or counter inputs.

All 8 channels may be configured individually.

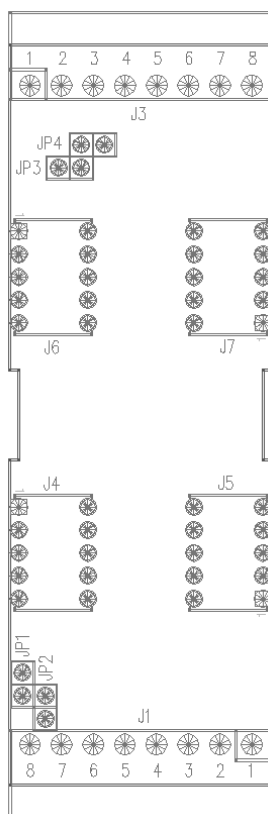
BAS920DI inputs are galvanic isolated from the BAS920 system potentials. The barrier is 3750V.

BAS920DI may count up to 200 Hz signals on all inputs simultaneously.

Typical usage for the module is

- Fire thermostats
- Frost thermostats
- Pressure alarm
- Pulse counter to measure water consumption
- Pulse counter for energy meter
- Etc

Inputs are divided into 2 blocks. Channel 1-4 is one block and 5-8 a second block. Each block may be configured individually for switch sensing or for externally supplied digital signal sensing. Input levels defined are, 0-3V = low, 4 til 17V = high



Internal supply External supply
Channel 1..4



Internal supply External supply
Channel 5..8



Notes:

J4, J6 = Expansion bus in

J5, J7 = Expansion bus out

JP3, JP4 (DI channel 1 to 4)

Jumpers in both positions = internal supplied DI.
Jumper between positions = external supplied DI

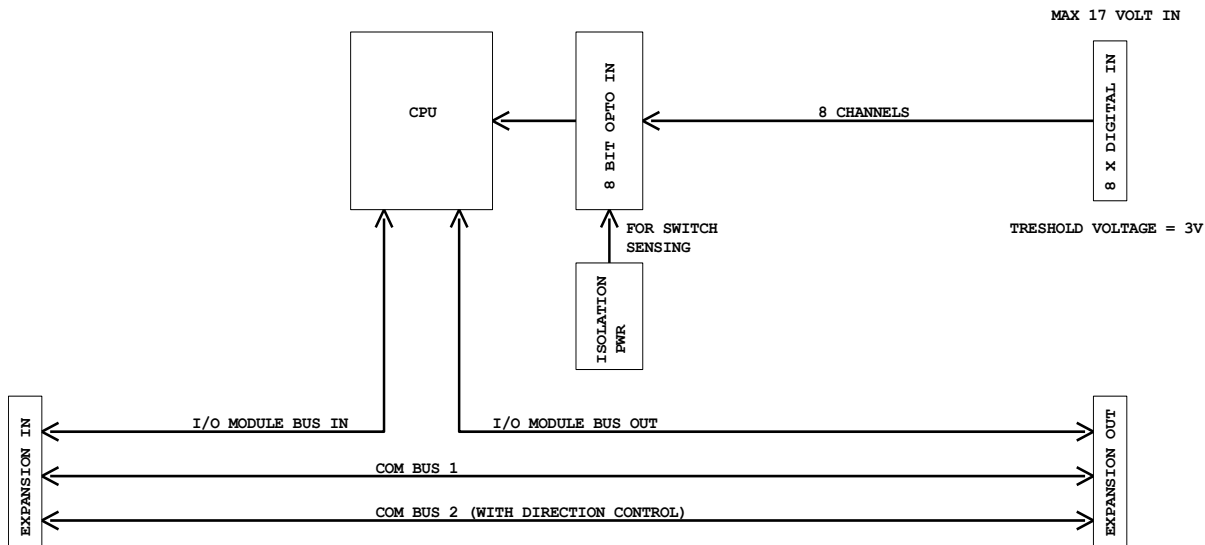
JP1, JP2 (DI kanal 5 til 8)

jumpers in both positions = internal supplied DI.
jumper between positions = external supplied DI

J3 / Pin no.	J3 / Signal
1	DI.1
3	DI.2
5	DI.3
7	DI.4
2,4,6,8	COM.A (GNDA)

J1 / Pin no.	J2 / Signal
8	DI.5
6	DI.6
4	DI.7
2	DI.8
7,5,3,1	COM.B (GNDB)

BAS920DI BLOCK DIAGRAM



Technical data	
Power supply:	Supplied by BAS920
Temperature	Storage -20 °C til +70 °C Operating -10°C til +60°C
Humidity	Max. 90% RH, non condensing
Enclosure	ABS/PC, IP20 35 x 86 x 58 mm 100 g
Digitale inputs	8 pcs Configuration for internal supply (5VDC). To supply contacts/switches, max 10 mA/input. Minimum pulse length <ul style="list-style-type: none"> • 2.5 ms, as counter input • 20ms, as digital input Max. Voltage input = 17 VDC