BAS920DO

BA SYSTEMS
BUILDING AUTOMATION SYSTEMS

Datasheet

BA Systems—Petershvilevej 1—DK-3200 Helsinge—http://www.basystems.dk

BAS920DO is a digital output module for BAS920 I/O port expansion.

BAS920DO has 8 digital outputs. Each output consists of 2 terminals noted DOX.A,B. The physical function given is an electronic relay. One side of the relay is connected to the A terminal and the other side to the B terminal.

These relay ports will be controlled by the connected BAS920.

Each port may be configured for:

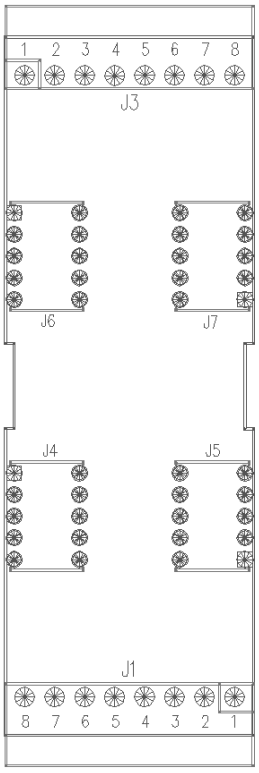
- Connecting or disconnecting
- Connecting for given period of time in milli seconds
- Connecting/disconnecting with a given frequency.

All 8 channels may be configured individually.

The BAS920DO output interface is galvanically seperated from the BAS920 system interface with an isolation voltage of 1500V.

Typical usage for the Module is.

- Light toggle, at alarm
- Open a valve for a given period of time
- Start/stop an electronic motor
- Supply power for units which under some conditions must be powered down.
- Switch on/off a high power relay.
- Etc ...



J3 / Pin no.	J3 / Signal
1	DO1.A
2	DO1.B
3	DO2.A
4	DO2.B
5	DO3.A
6	DO3.B
7	DO4.A
8	DO4.B

J1 / Pin no.	J1 / Signal
8	DO5.A
7	DO5.B
6	DO6.A
5	DO6.B
4	DO7.A
3	DO7.B
2	DO8.A
1	DO8.B

Notes:

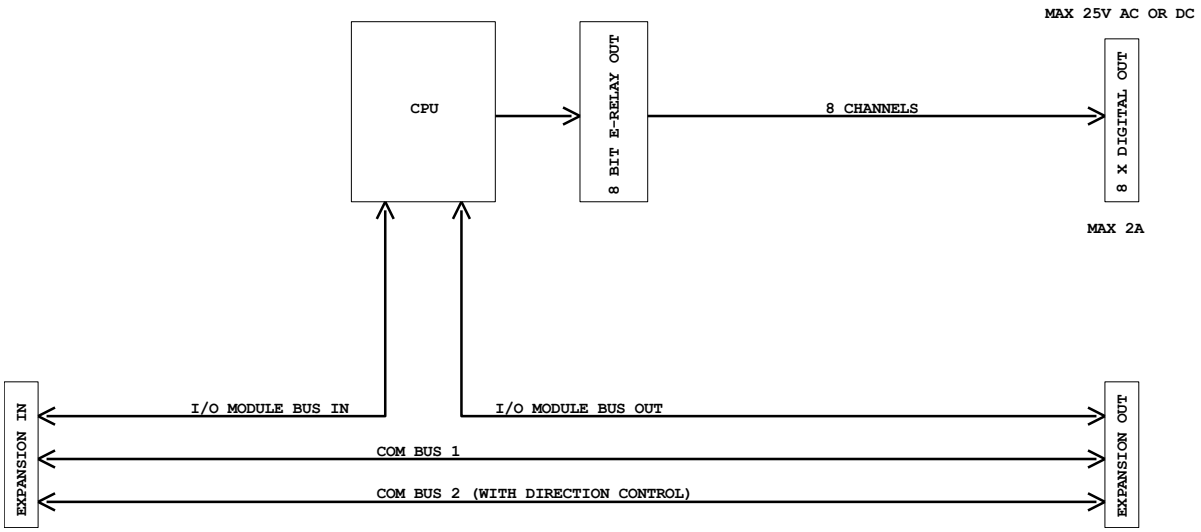
J4, J6 = Expansion bus in

J5, J7 = Expansion bus out

JP3 (DO channel 1 to 4)

JP1 (DO kanal 5 til 8)

BAS920DI BLOCK DIAGRAM



Tecnical 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
Digital output	8 pcs Solid state relay 24V/2A, inductive loads may create short over-current and over-voltage conditions. In this case protect output.