

BG-MR08-AIN

Additional board for analog and digital signals

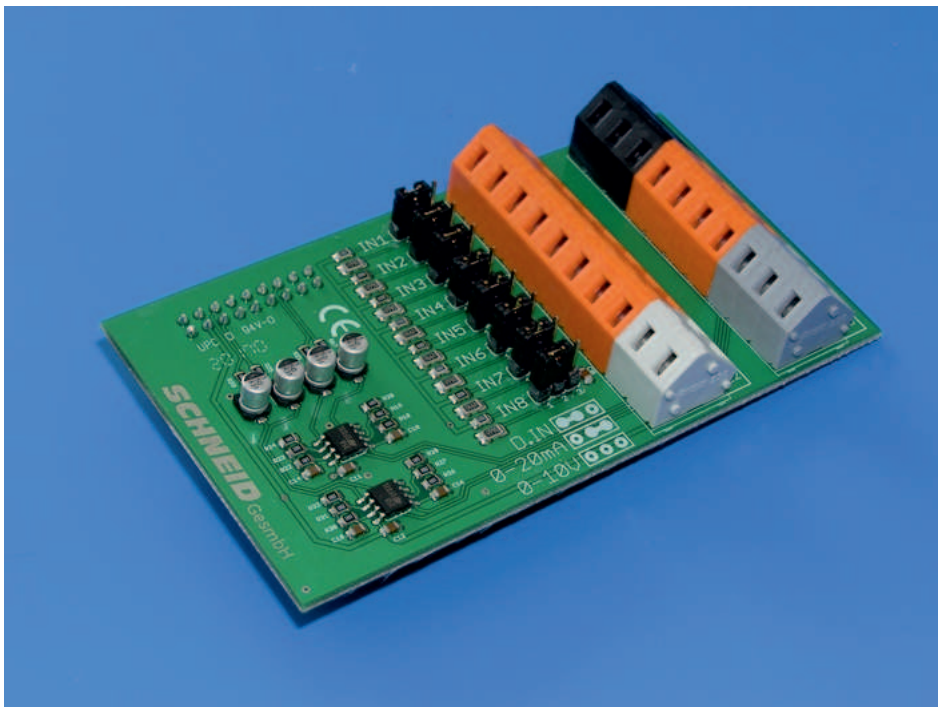
SCHNEID BG-MR08-AIN

Overview

The additional module extends the module regulator MR08 by analog as well as by digital inputs and outputs.

Cases of application:

- Recording of the initial and return pressure in heating systems
- External required value specifications per 0-10V signal
- External requirements (required value can be adjusted for each parameter)
- Rotational speed output 0-10V for pump control
- Leakage-warning systems



The AIN-Module is connected directly to the back side of the controller.



Overview

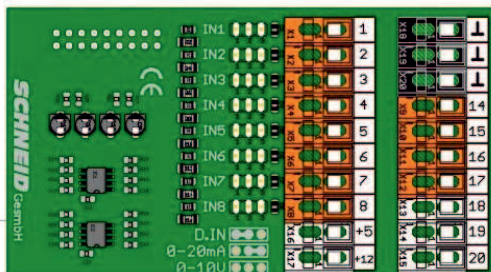
Signal Connections

- 1 input 1 (Digital, 0-10V or 0-20mA depending on the Jumper) ext. Setpoint HK1
- 2 input 2 (Digital, 0-10V or 0-20mA depending on the Jumper) ext. Setpoint HK2
- 3 input 3 (Digital, 0-10V or 0-20mA depending on the Jumper) ext. Setpoint HK3
- 4 input 4 (Digital, 0-10V or 0-20mA depending on the Jumper)
- 5 input 5 (Digital, 0-10V or 0-20mA depending on the Jumper)
- 6 input 6 (Digital, 0-10V or 0-20mA depending on the Jumper)
- 7 input 7 (Digital, 0-10V or 0-20mA depending on the Jumper)
- 8 input 8 (Digital, 0-10V or 0-20mA depending on the Jumper)
- +5 output terminal 5 VDC
- +12 output terminal
- GND Signalground
- 14 Aout1 (Analog output 0-10V) District Heating valve
- 15 Aout2 (Analog output 0-10V) valve HK1, Solar or FPD to Base C
- 16 Aout3 (Analog output 0-10V) valve HK2, Solar or FPD to Base D
- 17 Aout4 (Analog output 0-10V) valve HK3
- 18 D-Out LWG (Switching output 12V)
- 19 D-Out RESET (Switching output 12V)
- 20 D-Out RES (Switching output 12V)

AIN - Modul

- 1: IN 1
- 2: IN 2
- 3: IN 3
- 4: IN 4
- 5: IN 5
- 6: IN 6
- 7: IN 7
- 8: IN 8

VCC +5V: Versorgung 5V
 VCC +12V: Versorgung 12V



- GND Signalground
- GND Signalground
- GND Signalground

- 14: AOUT 1 (0-10V)
- 15: AOUT 2 (0-10V)
- 16: AOUT 3 (0-10V)
- 17: AOUT 4 (0-10V)

- 18: DOUT 1 Leckwarngerät
- 19: DOUT 2 RESET
- 20: DOUT 3 Reserve

Each of the 8 inputs can be configured to the following type

* digital input
(Jumper on 1-2)

* analog input 0 (4)-20mA
(Jumper on 2-3) ($R_i=500\Omega$)

* analog input 0-10V
(all links open) ($R_i \Rightarrow 250k\Omega$)

