MR12-PLC module controller

Terminal board (AKP) module controller MR12:

The SCHNEID MR-12 is an electronic control device for flush mounting. The AKP of the module controller MR-12 is compatible with the components of the module controller MR-08.

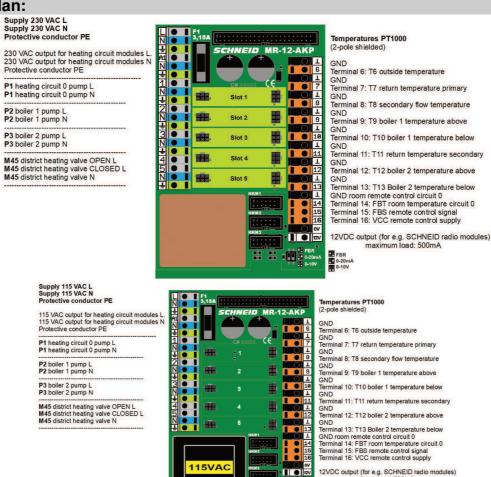
The AKP board (BASIS board) is connected directly to the control unit.

If a communication board (COM-BASIS) is available, this is also connected directly to the control unit, as well as a possible extension with an additional module for analog and digital inputs and outputs (AIN module). The cables are routed in the DIN rail.

The heating circuit expansion modules 1-3 are connected to the AKP board.



Terminal plan:

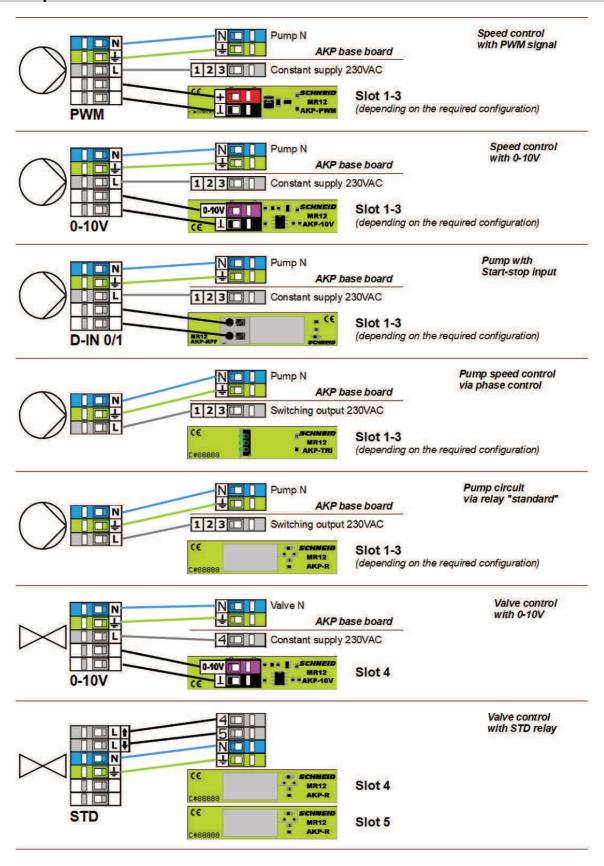


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MR12-PLC module controller

Terminal plan:



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MR12-PLC module controller

Outputs 230VAC Heating circuit module circuit 1 **GND** 1P1 pump heating circuit 1 TMP 1T1 flow temperature circuit 1 1M1 mixing valve circuit 1 OPEN 2 room remote control circuit 1 GND 1M1 mixing valve circuit 1 CLOSED 3 N remote control room temperature FRT FBS **II** FBR **FBS** remote control signal 0-20mA VCC remote control supply 0-10V 12VDC output (max. 100mA load) **Outputs 230VAC** Heating circuit module circuit 2 GND 2P1 pump heating circuit 2 TMP 2M1 mixing valve circuit 2 OPEN 2T1 flow temperature circuit 2 2 **GND** room remote control circuit 2 2M1 mixing valve circuit 2 CLOSED 3 N **FBT** remote control room temperature **FBR** remote control signal FBS 0-20mA VCC remote control supply 0-10V 12VDC output (max. 100mA load) Heating circuit module circuit 3 **Outputs 230VAC GND** 3P1 pump heating circuit 3 TMP 3T1 flow temperature circuit 3 3M1 mixing valve circuit 3 OPEN GND room remote control circuit 3 N 3M1 mixing valve circuit 3 CLOSED 3 N remote control room temperature FRT **FBR** FRS remote control signal 0-20mA VCC remote control supply 0-10V 12VDC output (max. 100mA load) Heating circuit module circuit 4 **Outputs 230VAC GND** 4P1 pump heating circuit 4 TMP 4T1 flow temperature circuit 4 4M1 mixing valve circuit 4 OPEN 2 H **GND** room remote control circuit 4 N • 4M1 mixing valve circuit 4 CLOSED 3 N **FBT** remote control room temperature iii fbr **FBS** remote control signal 0-20mA remote control supply VCC 0-10V 12VDC output (max. 100mA load) **Outputs 230VAC** Heating circuit module circuit 1 GND 1P1 pump heating circuit 1 1M1 mixing valve circuit 1 OPEN TMP 1T1 flow temperature circuit 1 2 **GND** room remote control circuit 1 1M1 mixing valve circuit 1 CLOSED 3 N **FBT** remote control room temperature FBR **FBS** remote control signal 0-20mA remote control supply VCC **12**V 0-10V 12VDC output (max. 100mA load) **Outputs 230VAC** Heating circuit module circuit 2 **GND** 2P1 pump heating circuit 2 TMP 2T1 flow temperature circuit 2 2M1 mixing valve circuit 2 OPEN GND room remote control circuit 2 2M1 mixing valve circuit 2 CLOSED 3 • N **FBT** remote control room temperature FBR remote control signal FRS 0-20mA VCC remote control supply 12V 0-10V 12VDC output (max. 100mA load) Heating circuit module circuit 3 **Outputs 230VAC** GND 3P1 pump heating circuit 3 TMP 3T1 flow temperature circuit 3 3M1 mixing valve circuit 3 OPEN **GND** room remote control circuit 3 • N 3M1 mixing valve circuit 3 CLOSED 3 : N **FBT** remote control room temperature FBR **FBS** remote control signal 0-20mA VCC remote control supply 0-10V 12VDC output (max. 100mA load) **GND Signalground** Terminal1: AIN 1 0-10V Circuit1 Terminal 14: AOUT 1 District heating valve Terminal 2: AIN 2 0-10V Circuit 2 **1** 2 Terminal 15: AOUT 2 Base C / Circuit 1 Terminal 3: AIN 3 0-10V Circuit 3 **II** 3 Terminal 16: AOUT 3 Base D / Circuit 2 1 4 1 5 Terminal 4: IN 4 Terminal 17: AOUT 4 Circuit 3 Terminal 5: IN 5 **1** 6 VCC +5V: Supply 5V Terminal 6: IN 6 5v 🔲 🗓 12v 🔲 🗓 18 🔲 🗓 **1** 7 Terminal 7: IN 7 VCC +12V: Supply 12V **1**8 Terminal 8: IN 8 Terminal 18: DOUT 1 Leak warning Terminal 19: DOUT 2 RESET

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Terminal 20: DOUT 3 Reserve