Speed controller expansion board FPD1

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Products, data sheets, documentation, MR12-SCHEMA-calculator: www.schneid.at

Expansion board speed controller half-wave control FPD1 for the module controllers MR06/07/08/12

Order number:	**300.10996**
Order code:	**Erw.-Platine Drehzahlregler FPD1 halbwellensteuert**

Overview:

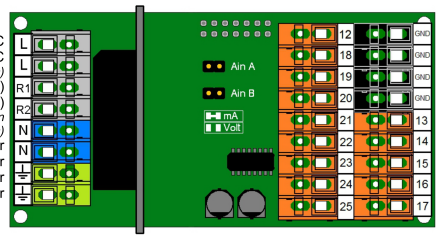
The additional module has a half-wave controlled speed control module that is controlled by the SCHNEID module control device. By switching off any number of half-waves using a semiconductor relay, the speed is regulated in ten stages from 0% to 100%. Frequent switching on is always carried out at zero voltage crossing, switching off at zero current crossing.
This results in a harmonious speed control behavior and a very long service life because voltage peaks are avoided. The speed module is primarily used to control small, single-phase fans and pumps.
The load capacity of the output is limited to 5A. The maximum power of the connected motor should be a maximum of 300VA (taking the starting current into account).

Scope of delivery:

SCHNEID expansion board speed controller FPD1 half-wave controlled
Supplied with two cables:
-1x for MR06 14 pin
-1x for MR07/08 10-pin

Terminal diagram:

Speed Control Module FPD1



L: Connection 230VAC
L: Additional Connection 230VAC
(forwarding to further modules)
R1: Speed Control Output 1 230VAC (Max. 5A)
R2: Speed Control Output 2 230VAC (Max. 5A)
(connection only possible with design including 2 semi-conductors)
N: Neutral Conductor
N: Neutral Conductor
PE: Earth Conductor
PE: Earth Conductor

12 Temperature Input PT8
18 Temperature Input PT12
19 Pulse Input for K2 (external puls signal 0/5V)
20 Pulse Input for K1 (external puls signal 0/5V)
21 Output RESET-COM (0/5V for COM-MODULE)
22 Digital Output 12V from AOUT1 (threshold > 40%)
23 Digital Output 12V from AOUT2 (threshold > 40%)
24 Output Terminal 5VDC
25 Output Terminal 12VDC

GND Signalground
GND Signalground
GND Signalground
GND Signalground
13 External Input Requirement (switch 0/1 towards GND)
14 AIN-A (0-10V or 0-20mA, depends on Jumper) open = 0-10V
15 AIN-B (0-10V or 0-20mA, depends on Jumper) open = 0-10V
16 AOUT1 (0-5V) at FPD analog to speed control signal
17 AOUT2