

Greenspec AFPD series

New: the Greenspec AFP after a revision in a new housing, with the option to install 2 boards in one housing. The Greenspec AFPD02 standard is the central unit for connecting 20 inputs and 20 outputs.

The Greenspec AFPD63 has 63 outputs and no inputs. You can use 2 boards of the same type or make a combination, it is possible to add a second board later. This is a simple, cheap option to extend your system in 30 min.

Both are connected to a separate power supply, the optical connection of two boards in the box is an internal one. In total we supply 5 variations:

1010.1	AFDP02	20 inputs (10 analog, 6 digital, 4 counter) and 20 outputs
1011.1	AFPD63	63 outputs
1012.1	AFPD0202	40 inputs (20 analog, 12 digital, 8 counter) and 40 outputs
1013.1	AFPD6363	126 outputs
1014.1	AFPD0263	20 inputs (10 analog, 6 digital, 4 counter) and 83 outputs

Please check carefully the instruction on this data sheet for the connection of the analog inputs. If you do not have enough information on the type of analog input you are connecting, check with the supplier.

[Download](#) from our website the sheets to fill in all installation data. On these also the connection schedule.

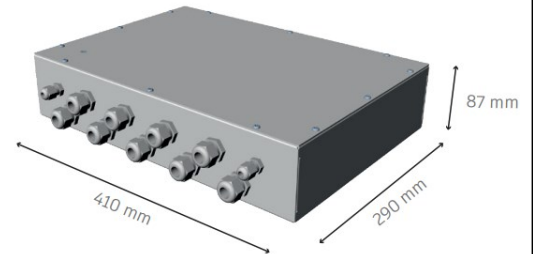


Optical fibre: For the connection of the optical fiber you have to lead the optical fibre into the unit. Then the right length has to be cut with the special cutting tool, it is important that the cut is straight. The connection is double wire, always the line coming out from the blue side of the last AFP has to go into the black one on the next connector and vice versa.

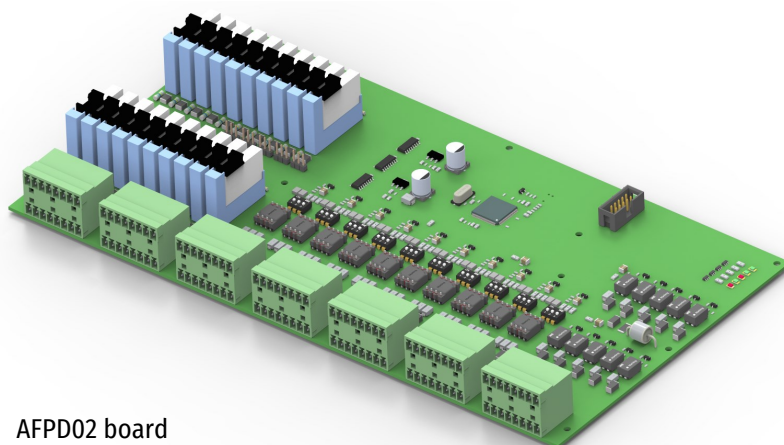
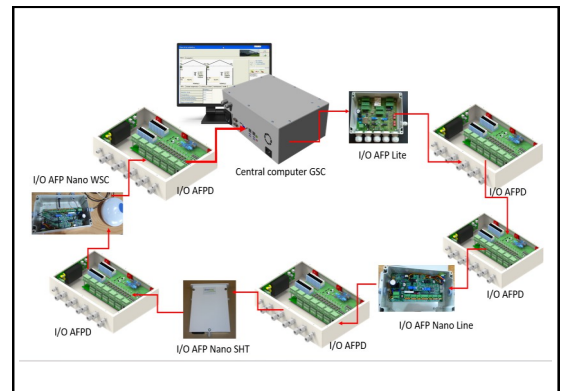
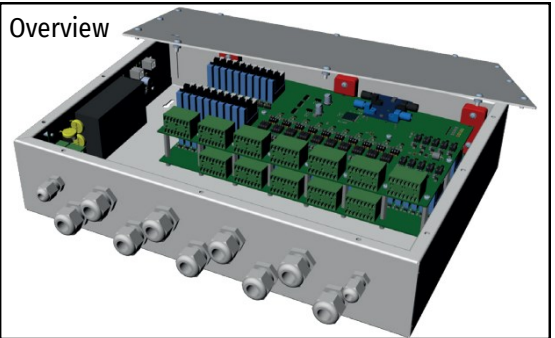
Power supply: make a connection to the power supply. Ask for our instruction sheets for all kind of details for the set-up. This is the initial short instruction for the mounting of the inputs and the outputs. To be done by trained installers.

Smaller version for a single board: see our datasheet for the option single AFPD02 or AFPD63

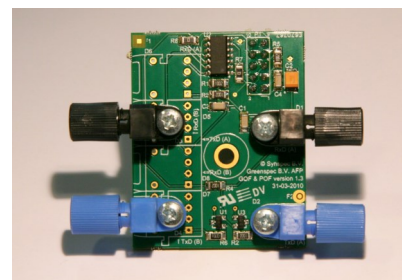
Dimensions




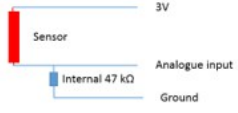
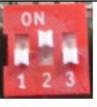
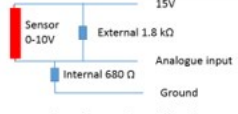

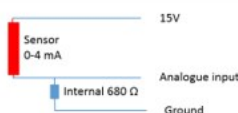
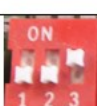
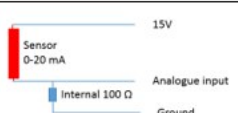
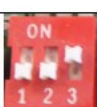
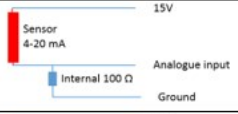
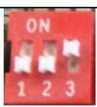
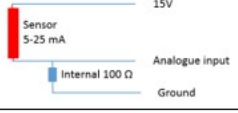
Overview



AFPD02 board



A single and a double unit have both only one power supply and only one optical fibre connection. Internally the two boards are connected, in the optical chain both are identified with their own physical address. On the outside of the housing you will see 2 serial numbers, for instance AFPD02 sr. nr. 5104, AFPD63 sr. nr. 5301

Analog input	dipswitch	Electrical connection
0-3V		
0-10 V		 mount external resistor!
0-4 mA		
0-20 mA		
4-20 mA		
5-25 mA		

Mounting of inputs:

Mounting of **analog** inputs:

Overview of the 6 standard options for connections.

Set the dipswitches as indicated.

For other configurations contact Greenspec.

For **counter** and **digital** inputs only connect ground and signal.

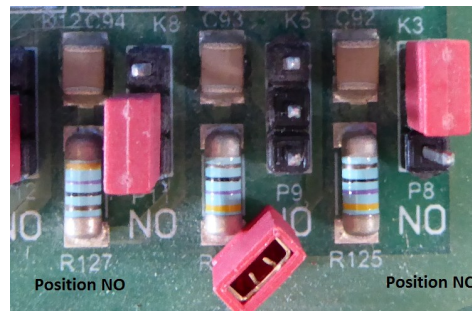
Mounting of outputs:

Output 1 to 15 are N/O.

Output 16 to 20 on the AFPD02 are either N/O or N/C.

Output 37 to 42 on the AFPD63 are either N/O or N/C

Set the jumper in the correct position:



Technical specifications

Power supply

Input voltage

100..240VAC 50/60Hz nominal; 90V..264 absolute minimum/maximum voltage. Take care to avoid overcharging!

Input current

0.6A at 100VAC; 0.4A at 240VAC

Fuse

630mA, 5x20mm

Ambient Temperature

45°C maximum at full load

Humidity

20..90% non condensing

Relais

Coil voltage

5VDC

Contact current

4A AC or 4DC maximum, but the total current through the common connection shall not exceed 6A.

Current common connection

6A maximum

Contact voltage

24VAC or 24VDC maximum

Minimum current

10mA

Physical data

Size / weight

290 x 410 mm, height 87 mm, AFPD02: 3,1 kg, AFPD63: 3,2 kg,

Mounting

Wall mounting, two holes at distance 365 mm

Optical fibre connection

130 m with POF fibre, >1000 m with HTC fibre

Greenspec also has repeater units for long distance POF cables



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