

Greenspec AFPD series in small housing  
Art. nrs. 1015.1 to 1016.1

## Greenspec AFPD series

New: the Greenspec AFP after a revision in a new 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.

We have an option to place 2 units in one housing, saving cost, weight and space. See for this the [datasheet AFPD0263](#).

But we also supply the AFPD02 and AFPD63 in an single board version. If you want to add AFPDs to an existing installation with the AFP boards: the footprint of the 1015.1 and the 1015.1 is identical to the old AFP series.

Specifications:

1015.1	AFDP02	20 inputs (10 analog, 6 digital, 4 counter) and 20 outputs
1016.1	AFDP63	63 outputs

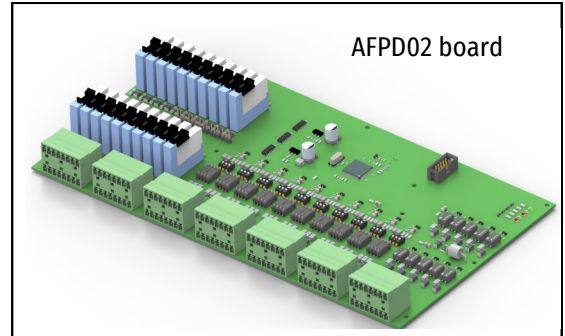
Please check carefully the instruction on this data sheet for the connection of the analog inputs. If you do not have enough information on the type of analog input you are connecting, check with the supplier.

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

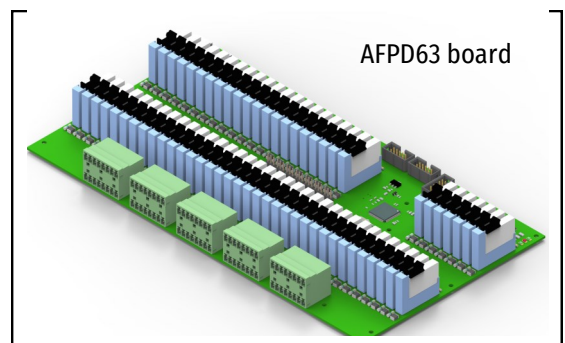
**Optical fibre:** For the connection of the optical fiber you have to lead the optical fibre into the unit. Then the right length has to be cut with the special cutting tool, it is important that the cut is straight. The connection is double wire, always the line coming out from the blue side of the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



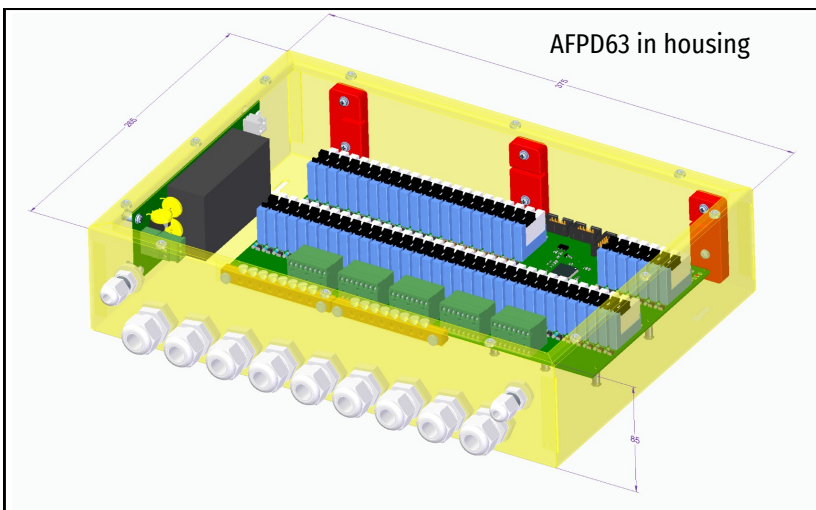
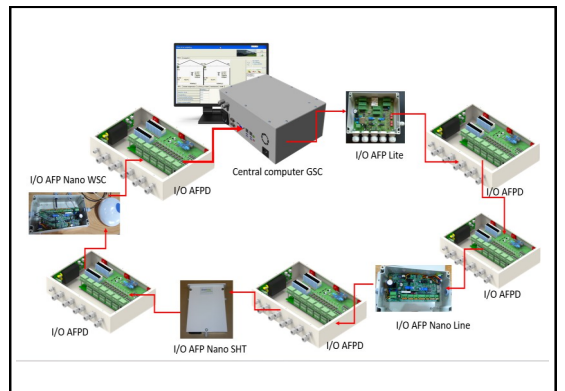
**Power supply:** make a connection to the power supply. Ask for our instruction sheets for all kind of details for the set-up. This is the initial short instruction for the mounting of the inputs and the outputs. To be done by trained installers.



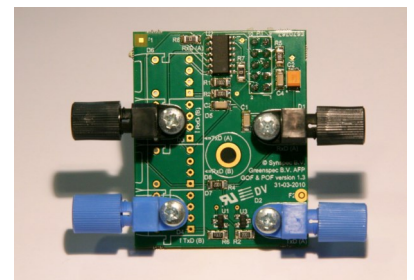
AFPD02 board




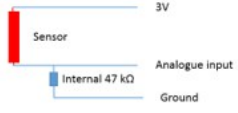
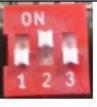
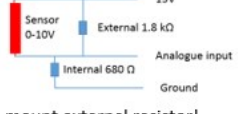

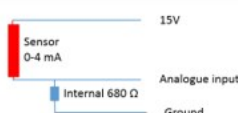
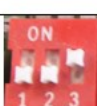
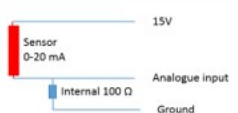
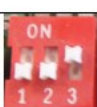
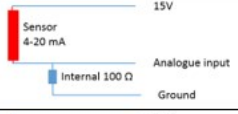


AFPD63 board



AFPD63 in housing



The system has a separate power supply and an optical fibre connection.

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.

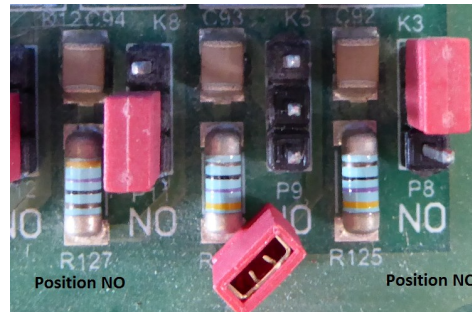
### Mounting of outputs:

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.

Input current

0.6A at 100VAC; 0.4A at 240VAC

Fuse

630mAT, 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

Current common connection

6A maximum

Contact voltage

24VAC or 24VDC maximum

Minimum current

10mA

### Physical data

Size / weight

285 x 375 mm, height 87 mm, AFPD02: 2,9 kg, AFPD63: 3,0 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 fibre



Horticulture automation

Groningen, The Netherlands

[www.greenspec.nl](http://www.greenspec.nl) / [info@greenspec.nl](mailto:info@greenspec.nl)