Greenspec AFP63 Art. nr. 200200

The standardcontains 20 outputs and 20 inputs. The AFP63Relais module can be used when many relais output ports are used. Each relais can be controlled by Greenspec GSE software. Seven of the AFP-Relais are NO/NC, the rest is NO. The AFP-03_63 fits in the same housing as the AFP.

It is a valuable addition to the AFP program: the standard AFP has 20 inputs and 20 outputs, the AFP light has 7 inputs and 5 outputs.

All of them can be connected to the same optical line and are controlled by the same GSC. The software will adapt to all devices.

Relais outputs, 63 in total:

56 relais with standard Normally Open contacts.

7 relais can be setup for either Normally Open or Normally Closed contacts, This is on connector 6.

The relais on the AFP-Relais module can handle 24VAC or 24VDC at 4A max.
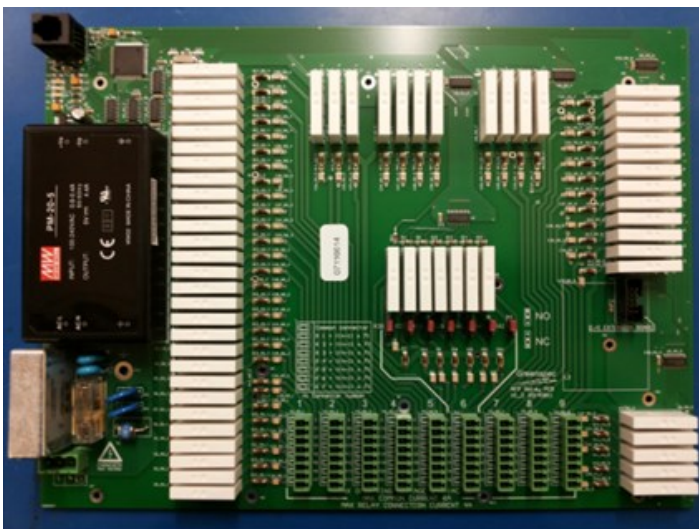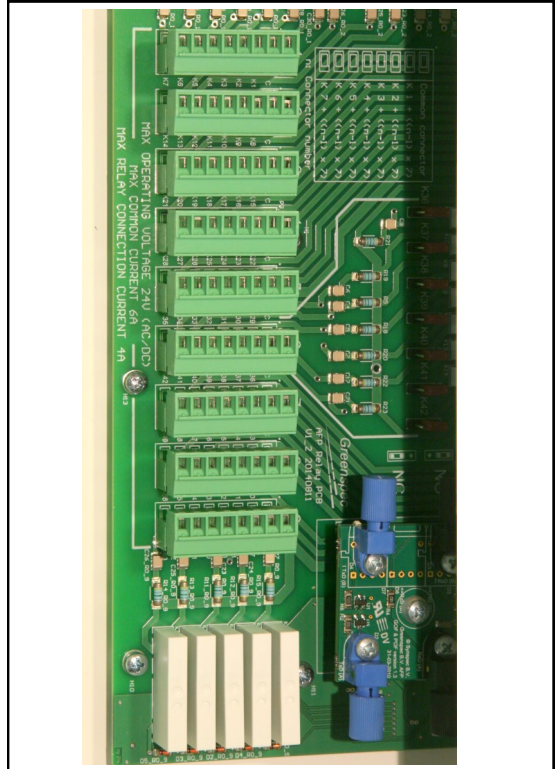The minimum current that can be handled by the contacts is 10mA.
This minimum current keeps the relais contacts clean.

The relais can withstand a high voltage up to 6kV between the coil and the contacts and up to 1kV between open contacts.

Be aware that there is a maximum current of 6A for all outputs, if in doubt count up all the connected output currents to be sure that you do not pass this limit.

Connection to optical fibre line

For the connection of the optical fiber you have to lead the optical fibre to 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, where one is marked. 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.

Hardware connection to AFP:

Mounting schedule:

Connect those inputs you want to set on NC (normally closed) on connector 6.

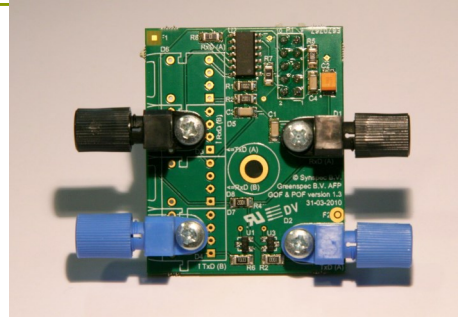All other connectors are NO., you can use remaining outputs on connector 6 also as NO.

The mounting schedule for each connector bar is shown on the print: first comes the common, the other are the outputs 1 to 7. So for each output connect the ground to C and the other contact to K1 to K7

Connector	Name	AFP output	Plug	Wire color	Output name
C	1		Common		
K1		OUT1	Print 1		
K2		OUT2	Print 2		
K3		OUT3	Print 3		
K4		OUT4	Print 4		
K5		OUT5	Print 5		
K6		OUT6	Print 6		
K7		OUT7	Print 7		
C	2		Common		
K1		OUT8	Print 1		
K2		OUT9	Print 2		
K3		OUT10	Print 3		
K4		OUT11	Print 4		
K5		OUT12	Print 5		
K6		OUT13	Print 6		
K7		OUT14	Print 7		
C	3		Common		
K1		OUT15	Print 1		
K2		OUT16	Print 2		
K3		OUT17	Print 3		
K4		OUT18	Print 4		
K5		OUT19	Print 5		
K6		OUT20	Print 6		
K7		OUT21	Print 7		
C	4		Common		
K1		OUT22	Print 1		
K2		OUT23	Print 2		
K3		OUT24	Print 3		
K4		OUT25	Print 4		
K5		OUT26	Print 5		
K6		OUT27	Print 6		
K7		OUT28	Print 7		
C	5		Common		
K1		OUT29	Print 1		
K2		OUT30	Print 2		
K3		OUT31	Print 3		
K4		OUT32	Print 4		
K5		OUT33	Print 5		
K6		OUT34	Print 6		
K7		OUT35	Print 7		

Connector	Name	AFP output	Plug	Wire color	Output name	
C	**6**		Common			
K1		OUT36	Print 1		NO/NC	
K2		OUT37	Print 2		NO/NC	
K3		OUT38	Print 3		NO/NC	
K4		OUT39	Print 4		NO/NC	
K5		OUT40	Print 5		NO/NC	
K6		OUT41	Print 6		NO/NC	
K7		OUT42	Print 7		NO/NC	
C	**7**		Common			
K1		OUT43	Print 1			
K2		OUT44	Print 2			
K3		OUT45	Print 3			
K4		OUT46	Print 4			
K5		OUT47	Print 5			
K6		OUT48	Print 6			
K7		OUT49	Print 7			
C	**8**		Common			
K1		OUT50	Print 1			
K2		OUT51	Print 2			
K3		OUT52	Print 3			
K4		OUT53	Print 4			
K5		OUT54	Print 5			
K6		OUT55	Print 6			
K7		OUT56	Print 7			
C	**9**		Common			
K1		OUT57	Print 1			
K2		OUT58	Print 2			
K3		OUT59	Print 3			
K4		OUT60	Print 4			
K5		OUT61	Print 5			
K6		OUT62	Print 6			
K7		OUT63	Print 7			

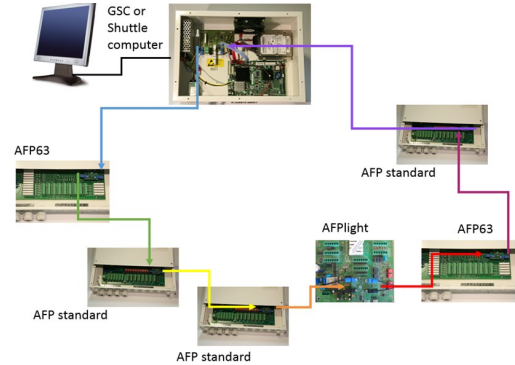## Connection to the optical fibre line

For the connection of the optical fiber you have to lead the optical fibre to 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, where one is marked. 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.

Activate the AFP63 in the software:

The AFP63 has a special code and will be recognised on the software as a 63 output only. When you put the AFP 63 in the line, go through the standard procedure of identifying the AFP outputs.

(see the manual chapter Setting up the computer system\automatic discovery wizard)

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	50°C maximum at full load
Humidity	20..90% without 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
Optical fibre connection	130 m with POF fibre, >1000 m with HTC cable
	Greenspec also has repeater units for long distance POF cable

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