Installation AFPD series

For the installation of the new AFPD series here a practical table to fill in the connections.

On page 2 and 3 for an AFPD02 board, on page 4 and 5 for an AFPD63 board.

On page 6 and 7 a connection scheduel for an AFPD02 and on page 8 and 9 for an AFPD63 board.

This connection schedule is also supplied with an AFPD.

For any questions please mail to: info@greenspec.nl

Inputs AFPD02 number: ……. Date:……. Page 1

			Sensor	software input nr
P3	1	Ground 1		
	2	Ana In 1		
	3	15V 1		
	4	3V 1		
	5	Ground 2		
	6	Ana In 2		
	7	15V 2		
	8	3V 2		
	9	Ground 3		
	10	Ana In 3		
	11	15V 3		
	12	3V 3		
	13	Ground 3		
	14	Ana In 4		
	15	15V 4		
	16	3V 4		

			Sensor	software input nr
P5	1	Ground 9		
	2	Ana In 9		
	3	15V 9		
	4	3V 9		
	5	Ground 10		
	6	Ana In 10		
	7	15V 10		
	8	3V 10		
	9	Counter 1		
	10	Gnd C 1		
	11	Counter 2		
	12	Gnd C2		
	13	Digi 1		
	14	Gnd D1		
	15	Digi 2		
	16	Gnd D2		

P4	1	Ground 5		
	2	Ana In 5		
	3	15V 5		
	4	3V 5		
	5	Ground 6		
	6	Ana In 6		
	7	15V 6		
	8	3V 6		
	9	Ground 7		
	10	Ana In 7		
	11	15V 7		
	12	3V 7		
	13	Ground 8		
	14	Ana In 8		
	15	15V 8		
	16	3V 8		

P6	1	Digi 3		
	2	Gnd D3		
	3	Digi 4		
	4	Gnd D4		
	5	Digi 5		
	6	Gnd D5		
	7	Digi6		
	8	Gnd D6		
	9	empty		
	10	empty		
	11	empty		
	12	empty		
	13	empty		
	14	empty		
	15	empty		
	16	empty		

			Item connected	software output nr
P1	1	Relay 1		
	2	Relay2		
	3	Relay 3		
	4	Relay 4		
	5	Relay 5		
	6	Common		
	7	Common		
	8	Common		
	9	Relay 6		
	10	Relay 7		
	11	Relay 8		
	12	Relay 9		
	13	Relay 10		
	14	Common		
	15	Common		
	16	Common		

P2	1	Relay 11		
	2	Relay 12		
	3	Relay 13		
	4	Relay 14		
	5	Relay 15		
	6	Common		
	7	Common		
	8	Common		
	9	Relay 16		
	10	Relay 17		
	11	Relay 18		
	12	Relay 19		
	13	Relay 20		
	14	Common		
	15	Common		
	16	Common		

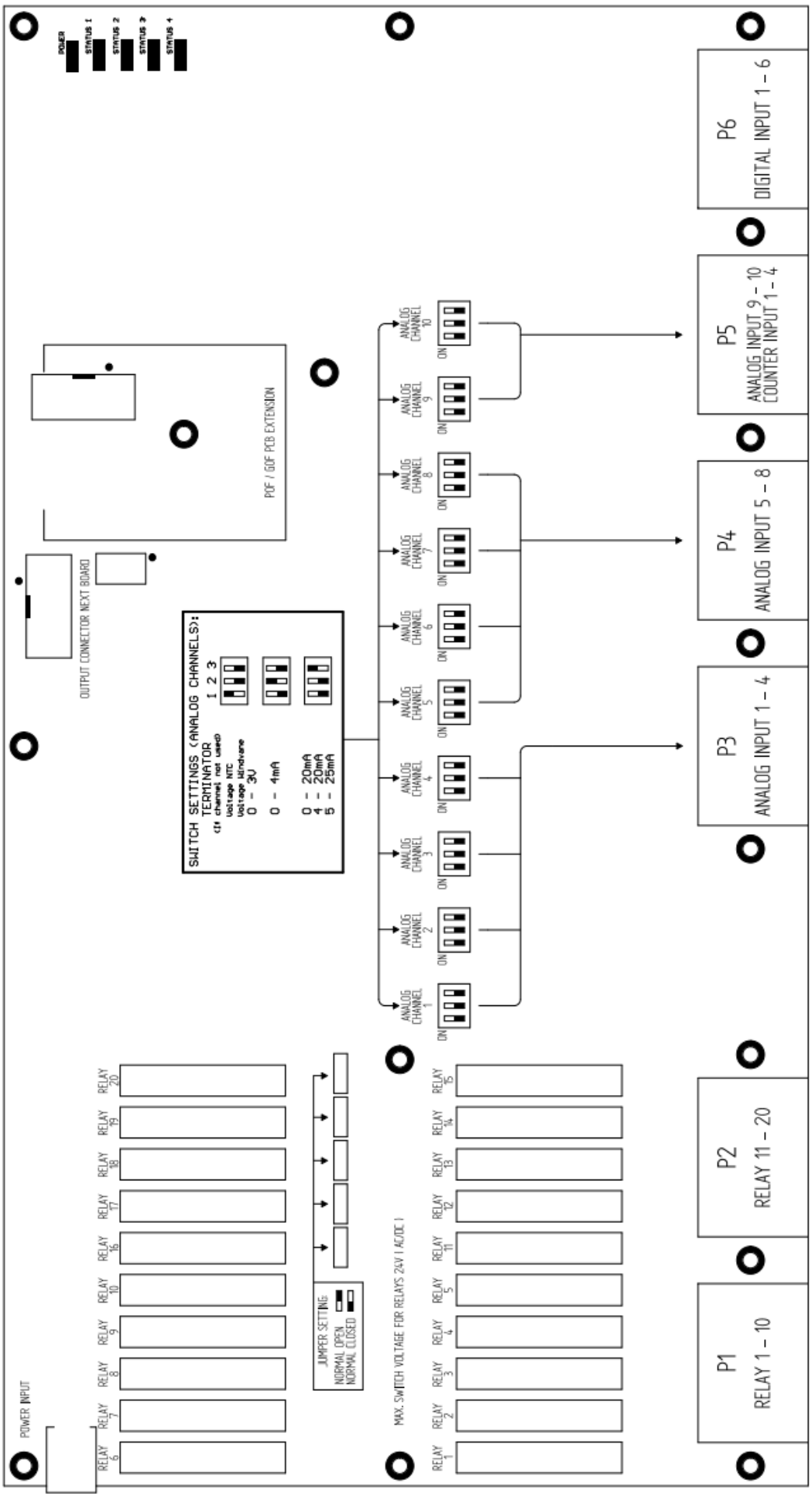
			Item connected	software output nr
P1	1	Relay 1-1		
	2	Relay 1-2		
	3	Relay 1-3		
	4	Relay 1-4		
	5	Relay 1-5		
	6	Relay 1-6		
	7	Relay 1-7		
	8	Common		
	9	Relay 2-1		
	10	Relay 2-2		
	11	Relay 2-3		
	12	Relay 2-4		
	13	Relay 2-5		
	14	Relay 2-6		
	15	Relay 2-7		
	16	Common		

P2	1	Relay 3-1		
	2	Relay 3-2		
	3	Relay 3-3		
	4	Relay 3-4		
	5	Relay 3-5		
	6	Relay 3-6		
	7	Relay 3-7		
	8	Common		
	9	Relay 4-1		
	10	Relay 4-2		
	11	Relay 4-3		
	12	Relay 4-4		
	13	Relay 4-5		
	14	Relay 4-6		
	15	Relay 4-7		
	16	Common		

			Item connected	software output nr	
P3	1	Relay 5-1			
	2	Relay 5-2			
	3	Relay 5-3			
	4	Relay 5-4			
	5	Relay 5-5			
	6	Relay 5-6			
	7	Relay 5-7			
	8	Common			
	9	Relay 6-1			**NO/NC**
	10	Relay 6-2			**NO/NC**
	11	Relay 6-3			**NO/NC**
	12	Relay 6-4			**NO/NC**
	13	Relay 6-5			**NO/NC**
	14	Relay 6-6			**NO/NC**
	15	Relay 6-7			**NO/NC**
	16	Common			

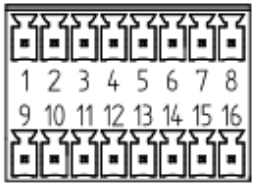
			Item connected	software output nr
P5	1	Relay 9-1		
	2	Relay 9-2		
	3	Relay 9-3		
	4	Relay 9-4		
	5	Relay 9-5		
	6	Relay 9-6		
	7	Relay 9-7		
	8	Common		
	9	+5 V out		
	10	+ 5 V out		
	11	Ground		
	12	Ground		
	13	+15V out		
	14	+ 15V out		
	15	Ground		
	16	Ground		

P4	1	Relay 7-1		
	2	Relay 7-2		
	3	Relay 7-3		
	4	Relay 7-4		
	5	Relay 7-5		
	6	Relay 7-6		
	7	Relay 7-7		
	8	Common		
	9	Relay 8-1		
	10	Relay 8-2		
	11	Relay 8-3		
	12	Relay 8-4		
	13	Relay 8-5		
	14	Relay 8-6		
	15	Relay 8-7		
	16	Common		


POWER
STATUS 1
STATUS 2
STATUS 3
STATUS 4
POF / GOF PCB EXTENSION
OUTPUT CONNECTOR NEXT BOARD
SWITCH SETTINGS (ANALOG CHANNELS):
TERMINATOR
1 2 3
ON
ANALOG CHANNEL 1
ANALOG CHANNEL 2
ANALOG CHANNEL 3
ANALOG CHANNEL 4
ANALOG CHANNEL 5
ANALOG CHANNEL 6
ANALOG CHANNEL 7
ANALOG CHANNEL 8
ANALOG CHANNEL 9
ANALOG CHANNEL 10
P6
DIGITAL INPUT 1 - 6
P5
ANALOG INPUT 9 - 10
COUNTER INPUT 1 - 4
P4
ANALOG INPUT 5 - 8
P3
ANALOG INPUT 1 - 4
P2
RELAY 11 - 20
P1
RELAY 1 - 10
POWER INPUT
JUMPER SETTING
NORMAL OPEN
NORMAL CLOSED
MAX. SWITCH VOLTAGE FOR RELAYS: 24V I AC/DC I

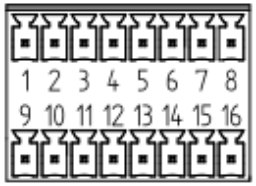
AFP STANDARD FRONT CONNECTORS

P1



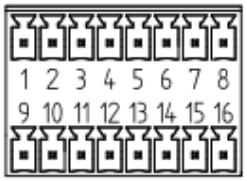
1	RELAY 1	9	RELAY 6
2	RELAY 2	10	RELAY 7
3	RELAY 3	11	RELAY 8
4	RELAY 4	12	RELAY 9
5	RELAY 5	13	RELAY 10
6	COMMON	14	COMMON
7	COMMON	15	COMMON
8	COMMON	16	COMMON

P2



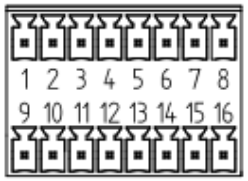
1	RELAY 1	9	RELAY 6
2	RELAY 2	10	RELAY 7
3	RELAY 3	11	RELAY 8
4	RELAY 4	12	RELAY 9
5	RELAY 5	13	RELAY 10
6	COMMON	14	COMMON
7	COMMON	15	COMMON
8	COMMON	16	COMMON

P3



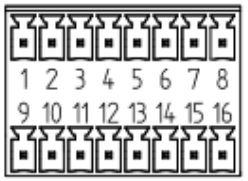
1	GND 1	9	GND 3
2	AN 1 IN	10	AN 3 IN
3	+15V	11	+15V
4	REF 3.0V	12	REF 3.0V
5	GND 2	13	GND 4
6	AN 2 IN	14	AN 4 IN
7	+15V	15	+15V
8	REF 3.0V	16	REF 3.0V

P4



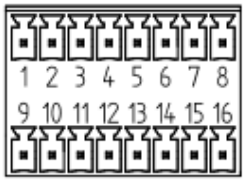
1	GND 5	9	GND 7
2	AN 5 IN	10	AN 7 IN
3	+15V	11	+15V
4	REF 3.0V	12	REF 3.0V
5	GND 6	13	GND 8
6	AN 6 IN	14	AN 8 IN
7	+15V	15	+15V
8	REF 3.0V	16	REF 3.0V

P5

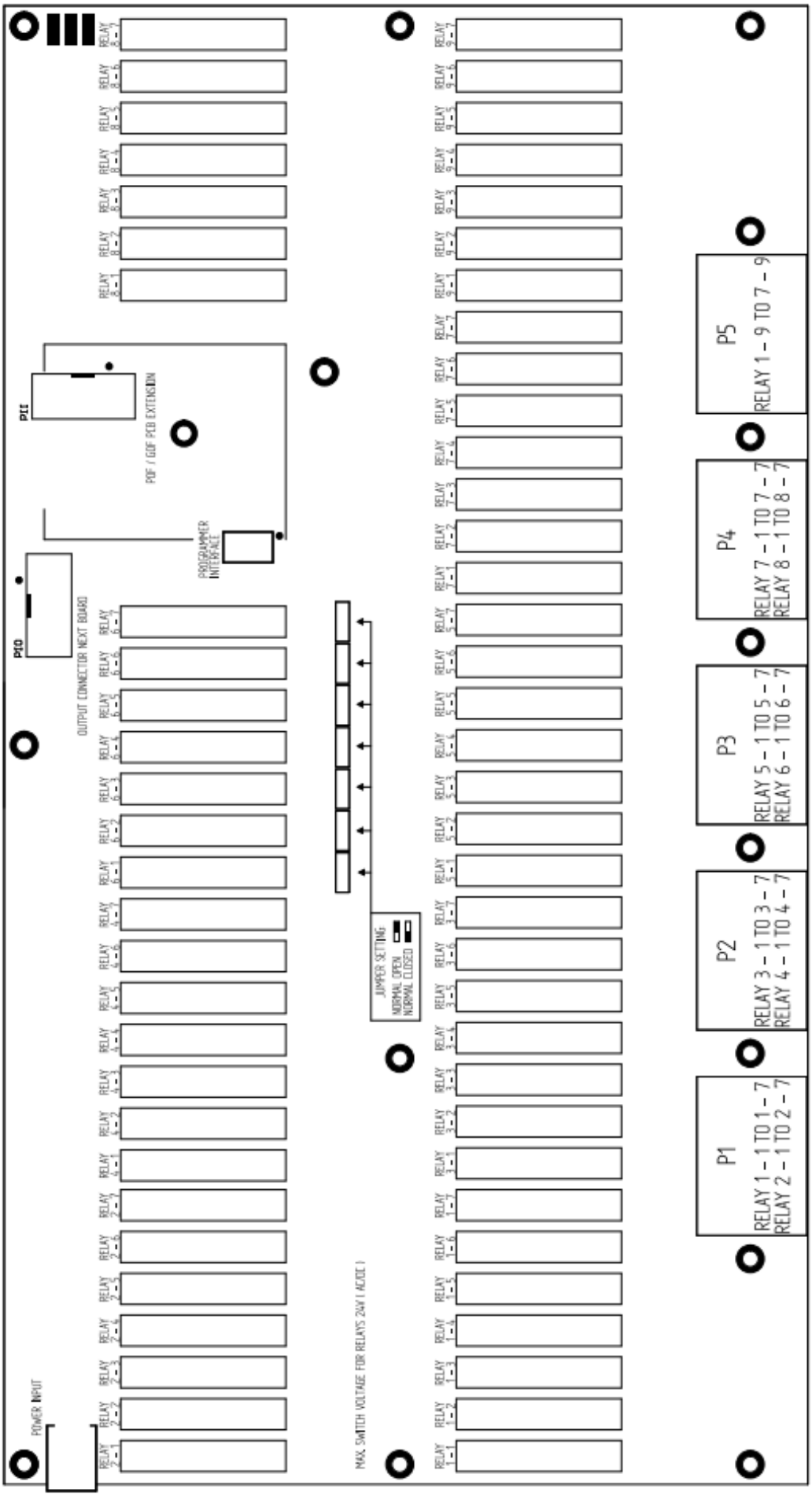


1	GND 9	9	COUNT IN 1
2	AN 9 IN	10	GND 1
3	+15V	11	COUNT IN 2
4	REF 3.0V	12	GND 2
5	GND 10	13	COUNT IN 3
6	AN 10 IN	14	GND 3
7	+15V	15	COUNT IN 4
8	REF 3.0V	16	GND

P6



1	DIG 1	9	X
2	GND 1	10	X
3	DIG 2	11	X
4	GND 2	12	X
5	DIG 3	13	X
6	GND 3	14	X
7	DIG 4	15	X
8	GND 4	16	X


POWER INPUT
P10
P11
OUTPUT CONNECTOR NEXT BOARD
PDF / GDF PCB EXTENSION
PROGRAMMER INTERFACE
JUMPER SETTING
NORMAL OPEN
NORMAL CLOSED
MAX. SWITCH VOLTAGE FOR RELAYS 24V I AC/DC I
P1
RELAY 1 - 1 TO 1 - 7
RELAY 2 - 1 TO 2 - 7
P2
RELAY 3 - 1 TO 3 - 7
RELAY 4 - 1 TO 4 - 7
P3
RELAY 5 - 1 TO 5 - 7
RELAY 6 - 1 TO 6 - 7
P4
RELAY 7 - 1 TO 7 - 7
RELAY 8 - 1 TO 8 - 7
P5
RELAY 1 - 9 TO 7 - 9

AFP RELAY FRONT CONNECTORS

P1

1	RELAY 1 - 1	9	RELAY 2 - 1
2	RELAY 1 - 2	10	RELAY 2 - 2
3	RELAY 1 - 3	11	RELAY 2 - 3
4	RELAY 1 - 4	12	RELAY 2 - 4
5	RELAY 1 - 5	13	RELAY 2 - 5
6	RELAY 1 - 6	14	RELAY 2 - 6
7	RELAY 1 - 7	15	RELAY 2 - 7
8	COMMON (1)	16	COMMON (2)

P2

1	RELAY 3 - 1	9	RELAY 4 - 1
2	RELAY 3 - 2	10	RELAY 4 - 2
3	RELAY 3 - 3	11	RELAY 4 - 3
4	RELAY 3 - 4	12	RELAY 4 - 4
5	RELAY 3 - 5	13	RELAY 4 - 5
6	RELAY 3 - 6	14	RELAY 4 - 6
7	RELAY 3 - 7	15	RELAY 4 - 7
8	COMMON (3)	16	COMMON (4)

P3

1	RELAY 5 - 1	9	RELAY 6 - 1
2	RELAY 5 - 2	10	RELAY 6 - 2
3	RELAY 5 - 3	11	RELAY 6 - 3
4	RELAY 5 - 4	12	RELAY 6 - 4
5	RELAY 5 - 5	13	RELAY 6 - 5
6	RELAY 5 - 6	14	RELAY 6 - 6
7	RELAY 5 - 7	15	RELAY 6 - 7
8	COMMON (5)	16	COMMON (6)

P4

1	RELAY 7 - 1	9	RELAY 8 - 1
2	RELAY 7 - 2	10	RELAY 8 - 2
3	RELAY 7 - 3	11	RELAY 8 - 3
4	RELAY 7 - 4	12	RELAY 8 - 4
5	RELAY 7 - 5	13	RELAY 8 - 5
6	RELAY 7 - 6	14	RELAY 8 - 6
7	RELAY 7 - 7	15	RELAY 8 - 7
8	COMMON (7)	16	COMMON (8)

P5

1	RELAY 9 - 1	9	+5V OUT
2	RELAY 9 - 2	10	+5V OUT
3	RELAY 9 - 3	11	GND
4	RELAY 9 - 4	12	GND
5	RELAY 9 - 5	13	+5V
6	RELAY 9 - 6	14	+5V
7	RELAY 9 - 7	15	GND
8	COMMON (9)	16	GND