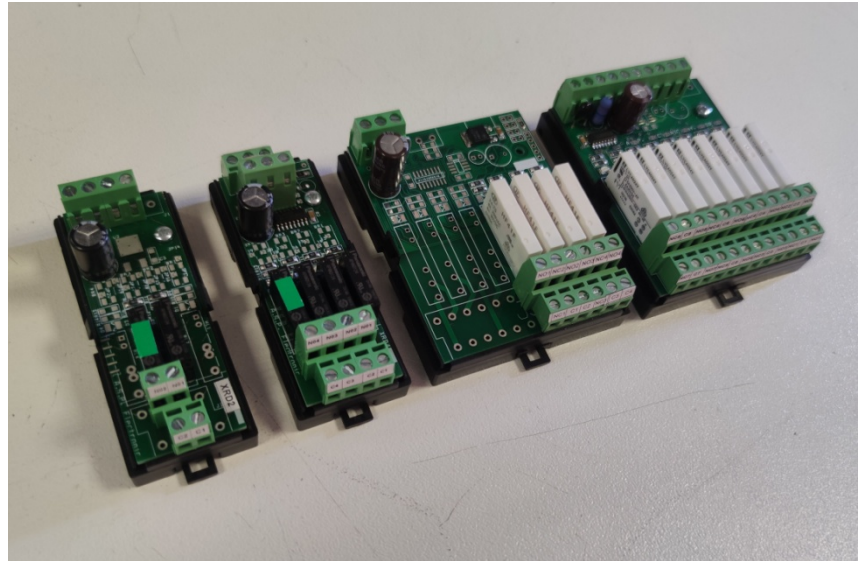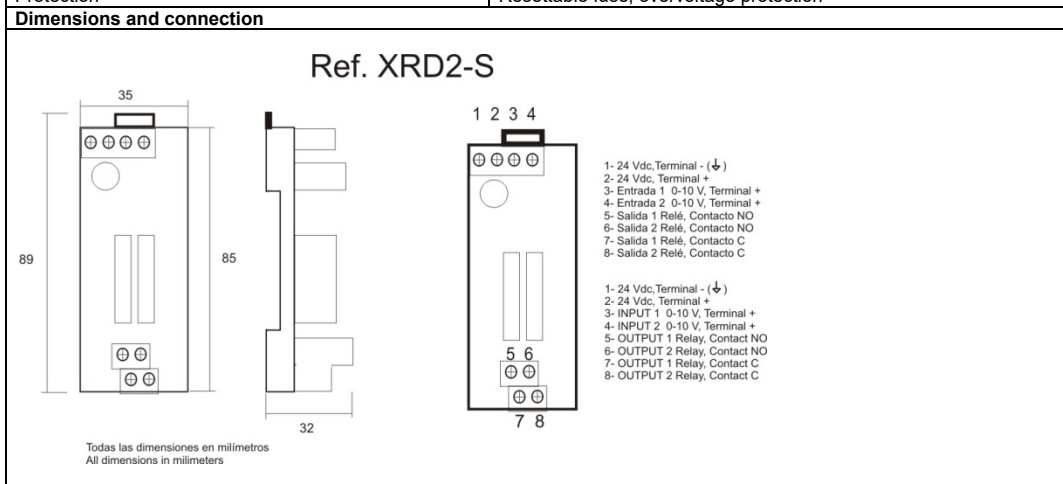# A.S.P. Electronic

Features

• Driver for 2/4/8 0-10V inputs to relays

• Extra-flat module without cover

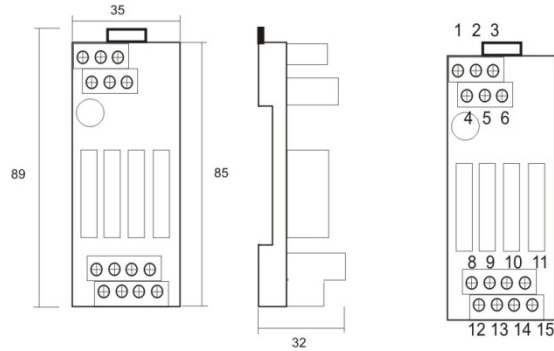• No need for input current.

• Easily installable on DIN rail.

The XRD2 / 4/8 module is a driver with 2/4/8 low current 0-10V analog inputs, which allows you to activate two, four or eight relay outputs with voltages from 1.5 V. Each relay output has of a NO contact (option –S, SPST) or NO / NC (option –D SPDT) and LED status indicator.
It comes mounted on a DIN rail module, extra flat without cover.

Technical specifications

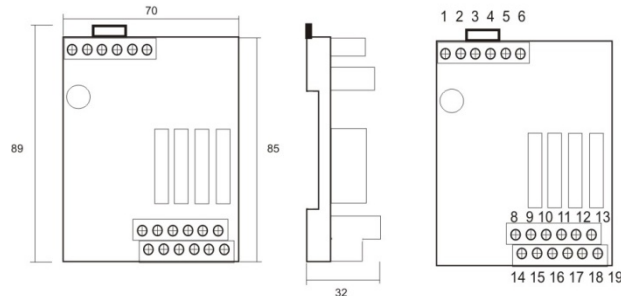| Parameters		
Power supply		24 Vac (+/- 10%) , 24 Vdc (+/- 20%)
Nº Inputs		2 (XRD2) , 4 (XRD4) o 8 (XRD8)
Inputs		Analog, 0-10Vdc low current (referenced to common)
Input activation voltage		1.5 Vdc
Nº Outputs		2 (XRD2) , 4 (XRD4) o 8 (XRD8)
Outputs		Option –S, Relay with NO contact (SPST) Option -D, NO / NC double contact relay (SPDT) (XRD4 and XRD8 only)
Relay contact	Maximum ratings (Voltage - Current)	Option –S 5A. 240 Vac , 30Vdc 5 A Option –D 6A. 240 Vac , 30Vdc 6 A) (only XRD4 and XRD8)
	Power ratings	Option –S 1250 VA. 150W Option –D 1500 VA. 180W) (only XRD4 and XRD8)
Working temperature		-20ºC - 70ºC
Working humidity		10% to 80% HR without condensation
Status indicator		Green led with relay ON
Protection		Resettable fuse, overvoltage protection

Dimensions and connection

Ref. XRD2-S

1- 24 Vdc, Terminal - (⏚)
2- 24 Vdc, Terminal +
3- Entrada 1 0-10 V, Terminal +
4- Entrada 2 0-10 V, Terminal +
5- Salida 1 Relé, Contacto NO
6- Salida 2 Relé, Contacto NO
7- Salida 1 Relé, Contacto C
8- Salida 2 Relé, Contacto C

1- 24 Vdc, Terminal - (⏚)
2- 24 Vdc, Terminal +
3- INPUT 1 0-10 V, Terminal +
4- INPUT 2 0-10 V, Terminal +
5- OUTPUT 1 Relay, Contact NO
6- OUTPUT 2 Relay, Contact NO
7- OUTPUT 1 Relay, Contact C
8- OUTPUT 2 Relay, Contact C

Todas las dimensiones en milímetros
All dimensions in milimeters

A.S.P. Electronic

Dimensions and connection

Ref. XRD4-S

35
89
85
32

Todas las dimensiones en milímetros
All dimensions in milimeters

1 2 3
4 5 6
8 9 10 11
12 13 14 15

1- 24 Vdc, Terminal - ( )
2- 24 Vdc, Terminal +
3- Entrada 1 0-10 V, Terminal +
4- Entrada 4 0-10 V, Terminal +
5- Entrada 3 0-10 V, Terminal +
6- Entrada 2 0-10 V, Terminal +
8- Salida 4 Relé, Contacto NO
9- Salida 3 Relé, Contacto NO
10- Salida 2 Relé, Contacto NO
11- Salida 1 Relé, Contacto NO
12- Salida 4 Relé, Contacto C
13- Salida 3 Relé, Contacto C
14- Salida 2 Relé, Contacto C
15- Salida 1 Relé, Contacto C

1- 24 Vdc, Terminal - ( )
2- 24 Vdc, Terminal +
3- INPUT 1 0-10 V, Terminal +
4- INPUT 4 0-10 V, Terminal +
5- INPUT 3 0-10 V, Terminal +
6- INPUT 2 0-10 V, Terminal +
8- OUTPUT 4 Relay, Contact NO
9- OUTPUT 3 Relay, Contact NO
10- OUTPUT 2 Relay, Contact NO
11- OUTPUT 1 Relay, Contact NO
12- OUTPUT 4 Relay, Contact C
13- OUTPUT 3 Relay, Contact C
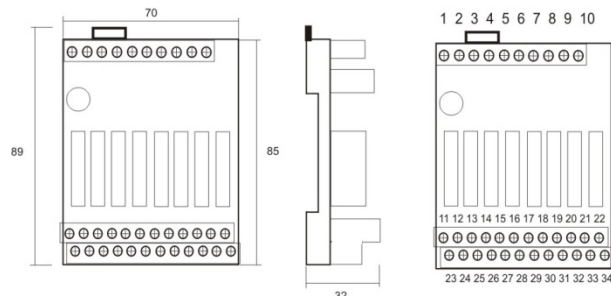14- OUTPUT 2 Relay, Contact C
15- OUTPUT 1 Relay, Contact C

Ref. XRD4-D

70
89
85
32

Todas las dimensiones en milímetros
All dimensions in milimeters

1 2 3 4 5 6
8 9 10 11 12 13
14 15 16 17 18 19

1- 24 Vdc, Terminal - (⏚)
2- 24 Vdc, Terminal +
3- Entrada 1 0-10 V, Terminal +
4- Entrada 2 0-10 V, Terminal +
5- Entrada 3 0-10 V, Terminal +
6- Entrada 4 0-10 V, Terminal +
8- Salida 4 Relé, Contacto C
9- Salida 4 Relé, Contacto NC
10- Salida 4 Relé, Contacto NO
11- Salida 2 Relé, Contacto C
12- Salida 2 Relé, Contacto NC
13- Salida 2 Relé, Contacto NO
14- Salida 3 Relé, Contacto C
15- Salida 3 Relé, Contacto NC
16- Salida 3 Relé, Contacto NO
17- Salida 1 Relé, Contacto C
18- Salida 1 Relé, Contacto NC
19- Salida 1 Relé, Contacto NO

1- 24 Vdc, Terminal - (⏚)
2- 24 Vdc, Terminal +
3- INPUT 1 0-10 V, Terminal +
4- INPUT 2 0-10 V, Terminal +
5- INPUT 3 0-10 V, Terminal +
6- INPUT 4 0-10 V, Terminal +
8- OUTPUT 4 Relay, Contact C
9- OUTPUT 4 Relay, Contacto NC
10- OUTPUT 4 Relay, Contact NO
11- OUTPUT 2 Relay, Contact C
12- OUTPUT 2 Relay, Contact NC
13- OUTPUT 2 Relay, Contact NO
14- OUTPUT 3 Relay, Contact C
15- OUTPUT 3 Relay, Contact NC
16- OUTPUT 3 Relay, Contact NO
17- OUTPUT 1 Relay, Contact C
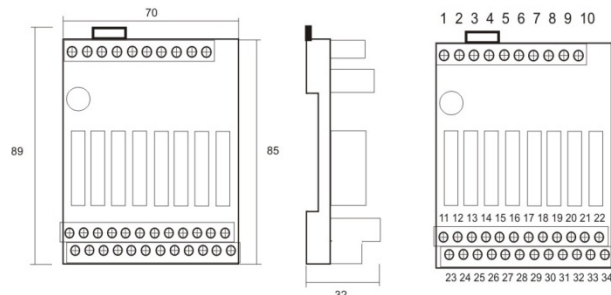18- OUTPUT 1 Relay, Contact NC
19- OUTPUT 1 Relay, Contact NO

Ref. XRD8-S

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89
85
32

Todas las dimensiones en milímetros
All dimensions in milimeters

1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32 33 34

1- 24 Vdc, Terminal - (⏚)
2- 24 Vdc, Terminal +
3- Entrada 1 0-10 V, Terminal +
4- Entrada 2 0-10 V, Terminal +
5- Entrada 3 0-10 V, Terminal +
6- Entrada 4 0-10 V, Terminal +
7- Entrada 5 0-10 V, Terminal +
8- Entrada 6 0-10 V, Terminal +
9- Entrada 7 0-10 V, Terminal +
10- Entrada 8 0-10 V, Terminal +
11- Salida 8 Relé, Contacto C
13- Salida 8 Relé, Contacto NO
14- Salida 6 Relé, Contacto C
16- Salida 6 Relé, Contacto NO
17- Salida 4 Relé, Contacto C
19- Salida 4 Relé, Contacto NO
20- Salida 2 Relé, Contacto C
22- Salida 2 Relé, Contacto NO

23- Salida 7 Relé, Contacto C
25- Salida 7 Relé, Contacto NO
26- Salida 5 Relé, Contacto C
28- Salida 5 Relé, Contacto NO
29- Salida 3 Relé, Contacto C
31- Salida 3 Relé, Contacto NO
32- Salida 1 Relé, Contacto C
34- Salida 1 Relé, Contacto NO

1- 24 Vdc, Terminal - (⏚)
2- 24 Vdc, Terminal +
3- INPUT 1 0-10 V, Terminal +
4- INPUT 2 0-10 V, Terminal +
5- INPUT 3 0-10 V, Terminal +
6- INPUT 4 0-10 V, Terminal +
7- INPUT 5 0-10 V, Terminal +
8- INPUT 6 0-10 V, Terminal +
9- INPUT 7 0-10 V, Terminal +
10- INPUT 8 0-10 V, Terminal +
11- OUTPUT 8 Relay, Contact C
13- OUTPUT 8 Relay, Contact NO
14- OUTPUT 6 Relay, Contact C
16- OUTPUT 6 Relay, Contact NO
17- OUTPUT 4 Relay, Contact C
19- OUTPUT 4 Relay, Contact NO
20- OUTPUT 2 Relay, Contact C
22- OUTPUT 2 Relay, Contact NO

23- OUTPUT 7 Relay, Contact C
25- OUTPUT 7 Relay, Contact NO
26- OUTPUT 5 Relay, Contact C
28- OUTPUT 5 Relay, Contact NO
29- OUTPUT 3 Relay, Contact C
31- OUTPUT 3 Relay, Contact NO
32- OUTPUT 1 Relay, Contact C
34- OUTPUT 1 Relay, Contact NO

Ref. XRD8-D

70
89
85
32

Todas las dimensiones en milímetros
All dimensions in milimeters

1 2 3 4 5 6 7 8 9 10
11 12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32 33 34

1- 24 Vdc, Terminal - (⏚)
2- 24 Vdc, Terminal +
3- Entrada 1 0-10 V, Terminal +
4- Entrada 2 0-10 V, Terminal +
5- Entrada 3 0-10 V, Terminal +
6- Entrada 4 0-10 V, Terminal +
7- Entrada 5 0-10 V, Terminal +
8- Entrada 6 0-10 V, Terminal +
9- Entrada 7 0-10 V, Terminal +
10- Entrada 8 0-10 V, Terminal +
11- Salida 8 Relé, Contacto C
12- Salida 8 Relé, Contacto NC
13- Salida 8 Relé, Contacto NO
14- Salida 6 Relé, Contacto C
15- Salida 6 Relé, Contacto NC
16- Salida 6 Relé, Contacto NO
17- Salida 4 Relé, Contacto C
18- Salida 4 Relé, Contacto NC
19- Salida 4 Relé, Contacto NO
20- Salida 2 Relé, Contacto C
21- Salida 2 Relé, Contacto NC
22- Salida 2 Relé, Contacto NO

23- Salida 7 Relé, Contacto C
24- Salida 7 Relé, Contacto NC
25- Salida 7 Relé, Contacto NO
26- Salida 5 Relé, Contacto C
27- Salida 5 Relé, Contacto NC
28- Salida 5 Relé, Contacto NO
29- Salida 3 Relé, Contacto C
30- Salida 3 Relé, Contacto NC
31- Salida 3 Relé, Contacto NO
32- Salida 1 Relé, Contacto C
33- Salida 1 Relé, Contacto NC
34- Salida 1 Relé, Contacto NO

1- 24 Vdc, Terminal - (⏚)
2- 24 Vdc, Terminal +
3- INPUT 1 0-10 V, Terminal +
4- INPUT 2 0-10 V, Terminal +
5- INPUT 3 0-10 V, Terminal +
6- INPUT 4 0-10 V, Terminal +
7- INPUT 5 0-10 V, Terminal +
8- INPUT 6 0-10 V, Terminal +
9- INPUT 7 0-10 V, Terminal +
10- INPUT 8 0-10 V, Terminal +
11- OUTPUT 8 Relay, Contact C
12- OUTPUT 8 Relay, Contact NC
13- OUTPUT 8 Relay, Contact NO
14- OUTPUT 6 Relay, Contact C
15- OUTPUT 6 Relay, Contact NC
16- OUTPUT 6 Relay, Contact NO
17- OUTPUT 4 Relay, Contact C
18- OUTPUT 4 Relay, Contact NC
19- OUTPUT 4 Relay, Contact NO
20- OUTPUT 2 Relay, Contact C
21- OUTPUT 2 Relay, Contact NC
22- OUTPUT 2 Relay, Contact NO

23- OUTPUT 7 Relay, Contact C
24- OUTPUT 7 Relay, Contact NC
25- OUTPUT 7 Relay, Contact NO
26- OUTPUT 5 Relay, Contact C
27- OUTPUT 5 Relay, Contact NC
28- OUTPUT 5 Relay, Contact NO
29- OUTPUT 3 Relay, Contact C
30- OUTPUT 3 Relay, Contact NC
31- OUTPUT 3 Relay, Contact NO
32- OUTPUT 1 Relay, Contact C
33- OUTPUT 1 Relay, Contact NC
34- OUTPUT 1 Relay, Contact NO