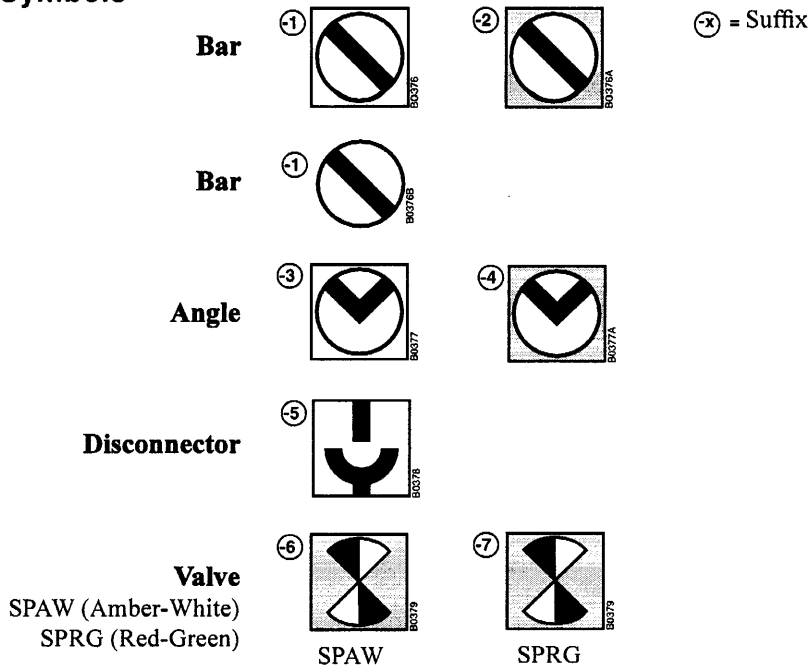


# POSITION INDICATORS

## Symbols








## Order example

Type	Front flange size	Symbols (Suffix)				
PI (DC)	24 = 24 x 24	PI 24	PI 25	PI 29	PI 36	PI 39
PIR (AC)	25 = 25 x 25	-1	-1	-1	-1	-1
	29 = Ø29	-2	-2		-2	
	36 = 36 x 36	-3	-3	-3		
	39 = Ø39	-4	-4	-4		
		-5	-5		-5	
		-6	-6			
		-7	-7			






Type designation = **PI 36 - 2**

## Technical information

### For DC aux. voltage

Type		PI 24	PI 25	PI 29	PI 36	PI 39
Front Flange	mm	 24 x 24	 25 x 25	 Ø 29	 36 x 36	 Ø 39
Housing	dia mm	21.8	21.8	21.8	21.8	21.8
Voltage	DC	24-230 V	24-230 V	24-230 V	24-230 V	24-230 V
Test voltage	kV	3.7	3.7	3.7	3.7	3.7
Power consumption W	110/230 V	0.4/1.4	0.4/1.4	0.4/1.4	0.4/1.4	0.4/1.4
Weight	Kg	0.1	0.1	0.12	0.15	0.15

### For AC aux. voltage

Typ		PIR 24	PIR 25	PIR 29	PIR 36	PIR 39
Front Flange	mm	 24 x 24	 25 x 25	 Ø 29	 36 x 36	 Ø 39
Housing	dia mm	21.8	21.8	21.8	21.8	21.8
Voltage	AC	24-230 V	24-230 V	24-230 V	24-230 V	24-230 V
Test voltage	kV	3.7	3.7	3.7	3.7	3.7
Power consumption VA	110/230 V	0.4/1.4	0.4/1.4	0.4/1.4	0.4/1.4	0.4/1.4
Weight	Kg	0.1	0.1	0.12	0.15	0.15

# POSITION INDICATORS

## Position Indicators

Position Indicators are used to indicate the position of circuit breakers and isolators. Cewe Instrument also produce special versions of Position Indicators for the indication of positions of valves. These indicators have type designations RG (RedGreen) and AW (Amber-White). The Position Indicators are for mounting in instrument panels or in Mimic panels.

## Measuring movement

A moving magnet system is used in the Position Indicator. The movement is designed to achieve good precision of the position of the indicator disc and also to have low energy consumption. External zero-setting of the indicator disc is not required for this type of movement.

## Connection

Cewe Instruments Position Indicators can be connected to DC or AC voltages between 24 and 230 V. Two voltage ranges are available.

Connection is made with screw connectors having a max. connection area of 1.5 mm<sup>2</sup>.

See connection diagram.

## Indicators for AC voltage

The indicators are made for DC voltage as standard. For connection to AC voltage a rectifier is connected in the indicator. The type designation for Position Indicators for connection to AC voltage is PIR.

## Standards

The Position Indicator is made according to the following standards:

Personal safety EN 61010-1

Category III Table D12 Double isolation.

Max. working voltage 300 V.

IEC 51, EN 50081-1, EN 50082-1,

EN 5008 1-2, EN 50082-2, IEC 473.

## Casing

Polycarbonate UL 94 VO

Enclosure code IP 54

Panel (standard) 0 – 12 mm

## Accessories Art No.

Mounting tool 201100

For mosaic(Mimic panels)

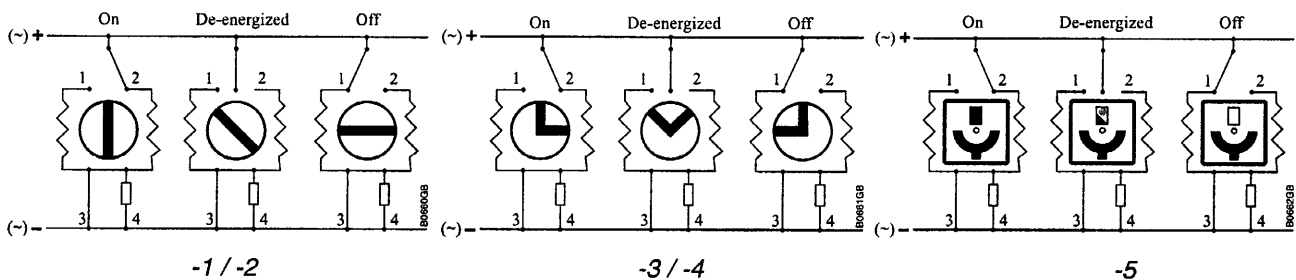
Nut 121802

Sleeve 121701

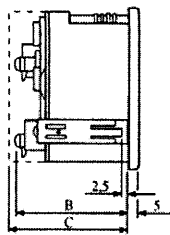
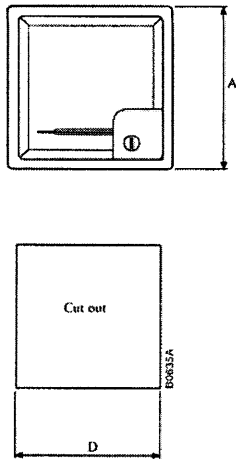
## Connection diagrams

Connection 3 = 24-90 V DC/AC

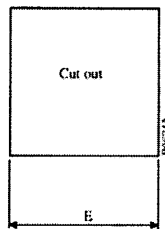
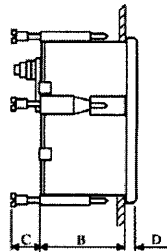
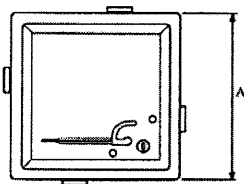
Connection 4 = 91-230 V DC/AC



# DIMENSIONS

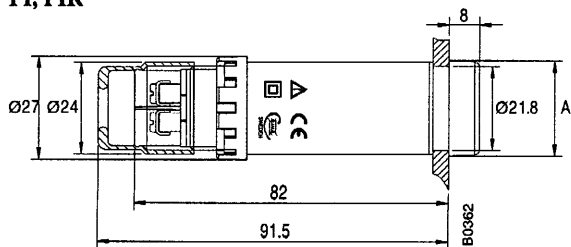


Type	Dimensions m m			
	A	B	C	D
<b>IQ 48, CQ 48, CQR 48</b>	48 x 48	62.5	66.5	45 x 45 +0.6
<b>QB 48</b>	48 x 48	57.0	66.5	45 x 45 +0.6
<b>CL 48, CLR 48</b>	48 x 48	63.5	66.5	45 x 45 +0.6
<b>CL 72, CLR 72, CQ 72, CQR 72, IQ 72, IQB 72, QB 72, FQ 72</b>	72 x 72	63.5	67.5	68 x 68 +0.7
<b>CL 96, CLR 96, CQ 96, CQR 96, IQ 96, IQB 96, QB 96, PFL 96, PFQ 12, -13, FQ 96</b>	96 x 96	59.5	63.0	92 x 92 +0.8
<b>FL 96, PQ 12-34, QQ 13-33</b>	96 x 96	97.0	100.5	92 x 92 +0.8

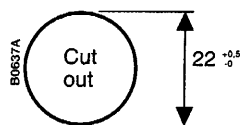


Type	Dimensions mm				
	A	B	C	D	E
<b>SY 96S</b>	96 x 96	100	19	5	92 x 92+0,8
<b>SY144S</b>	144 x 144	103	14	7	138 x 138+1.0
<b>WQ 96/2</b>	96 x 96	100	15	5	92 x 92+0,8
<b>WQ 144/2S</b>	144 x 144	118	3	7	138 x 138+1.0
<b>FQ 96/2</b>	96 x 96	53	-	5	92 x 92 +0.8
<b>FQ144/2</b>	144 x 144	49	3	7	138 x 138+1.0

## PI, PIR



Type	A mm
<b>PI 24, PIR 24</b>	24 x 24
<b>PI 25, PIR 25</b>	25 x 25
<b>PI 29, PIR 29</b>	Ø 29
<b>PI 36, PIR 36</b>	36 x 36
<b>PI 39, PIR 39</b>	Ø 39



## M 300-

