

# SDP-X10K-NA

## Potentiometer 10K



SDP-X10K-NA potentiometer is developed to control equipment that needs a stepless control signal. The supply voltage is within the range 0–24 VDC. The output voltage is adjusted steplessly from 0 to the supply voltage ( $U_s$ ) by a rotary knob. It is equipped with a switch (dry contact) for remote ON / OFF switching of external equipment. The potentiometer is suitable for both flush (IP44) and surface mounting (IP54).

### Key features

- Stepless output voltage from 0 to  $U_s$
- Integrated switch (dry contact) for remote ON/OFF switching of external equipment
- A splashproof enclosure
- Flush or surface mounting

### Area of use

- A variety of applications where a DC control signal is required
- For indoor use only

### Technical specifications

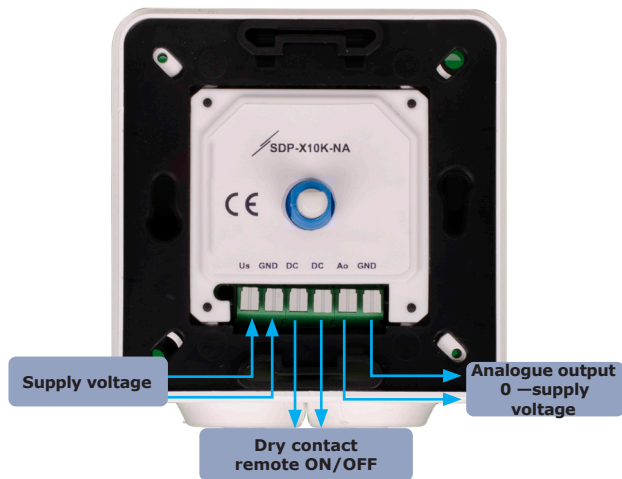
Supply voltage	max. 24 VDC / 1 mA	
Output signal	0—supply voltage	
Dry contact rating	max. 1 A	
Ambient conditions	Operating temperature	0—50 °C
	Relative humidity	< 95 % rH (non-condensing)
Protection standard	IP44 / IP54 (according to EN 60529)	



### Article codes

Article code	Supply
<b>SDP-X10K-NA</b>	up to 24 VDC

### Wiring and connections

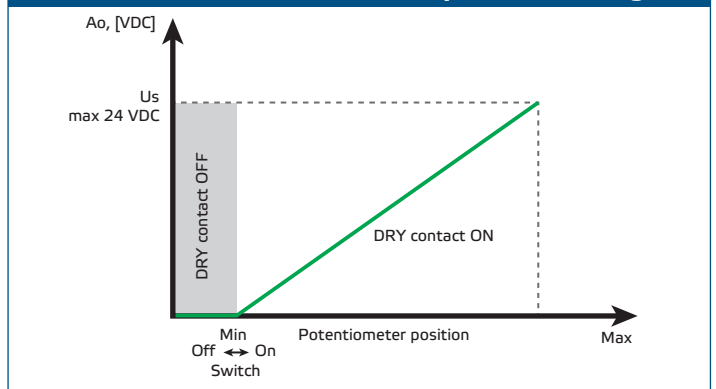


$U_s$	Supply voltage (max 24 VDC)
GND	Supply, ground
DC	Dry contact for remote ON/OFF switching of external equipment
DC	
$A_o$	Output signal (0—supply voltage)
GND	Output, ground
Connections	Spring contact terminal block, solid wires 1,0–1,5 mm <sup>2</sup> or wires with cable shoe 0,75–1,0 mm <sup>2</sup> , length 7 mm

### Standards

- Low Voltage Directive 2014/35/EU
  - EN 60529:1991 Degrees of protection provided by enclosures (IP Code) Amendment AC:1993 to EN 60529
  - EN 60730-1:2011 Automatic electrical controls for household and similar use - Part 1: General requirements
- EMC directive 2014/30/EU:
  - EN 60730-1:2011 Automatic electrical controls for household and similar use - Part 1: General requirements
  - EN 61000-6-1:2007 Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light industrial environments
  - EN 61000-6-3:2007 Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light industrial environments. Amendments A1:2011 and AC:2012 to EN 61000-6-3
- WEEE Directive 2012/19/EU
- RoHS Directive 2011/65/EU

### Operational diagram

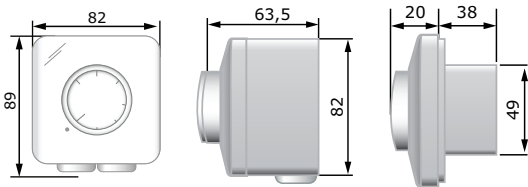


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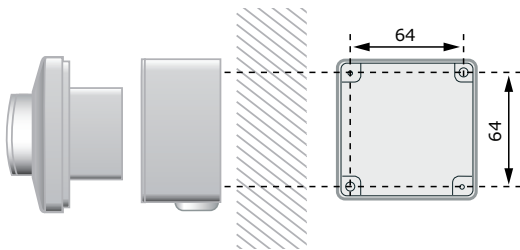
Potentiometer 10K



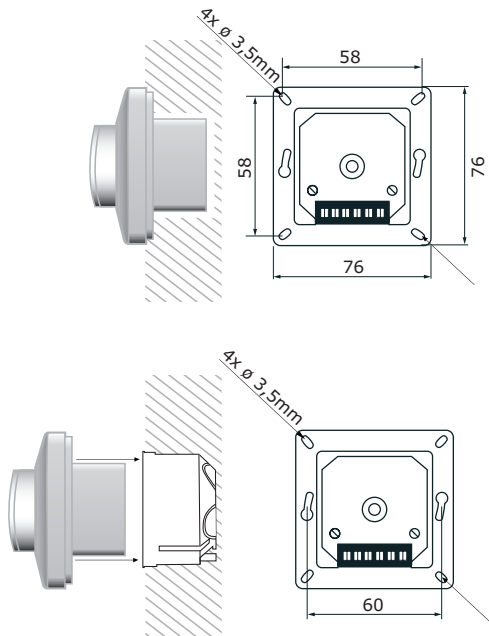
### Fixing and dimensions



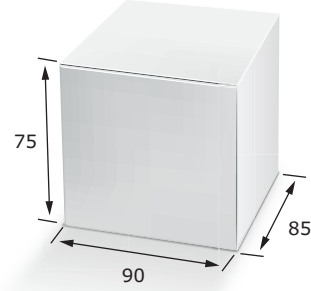
### Surface mounting



### Inset mounting



### Packaging



Article	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
SDP-X10K-NA	Unit (1 pc.)	89	82	64	0,13 kg	0,17 kg
	Carton (10 pcs.)	492	182	84	1,22 kg	1,55 kg
	Box (60 pcs.)	590	380	280	7,32 kg	10,30 kg
	Pal (1680 pcs.)	1,20	800	2,14	235,2 kg	337,14 kg

### Global trade item numbers (GTIN)

Packaging	SDP-X10K-NA
<b>Unit</b>	05401003018422
<b>Carton</b>	05401003302774
<b>Box</b>	05401003504079
<b>Pal</b>	05401003701126