MTP-G
24 V potentiometer with min & max settings

MTP-G010-AT potentiometer is intended for direct control of EC fans / motors and actuators. It requires a supply voltage of 24 VDC or 24 VAC and provides a stepless output signal that can be set by a rotary knob with off-position. The output range is adjustable via two internal trimmers between Vmin (0—7 VDC) and Vmax (3—10 VDC). Its splash-proof enclosure is suitable for both inset and surface mounting.

Key features

- Infinitely variable control of the output voltage
- Adjustable minimum (Vmin) and maximum (Vmax) output by internal trimmers
- A splash waterproof enclosure
- Inset or surface mounting

Area of use

- A variety of applications where a DC control signal is required

Technical specifications

Supply voltage		15—24 VAC ±10%
		18—34 VDC
Output		0, Vmin—Vmax
Min. output voltage, Vmin		0—7 VDC
Max. voltage output, Vmax		3—10 VDC
Load		≥ 2 kΩ
Consumption		Supply: 24 VAC / ≤ 20 mA
		Supply: 24 VDC / ≤ 20 mA
Off-position		yes
Ambient conditions	Operating temperature	-5—65 °C / 23—149 °F
	Relative humidity	5—85 % rH (non-condensing)
Protection standard		IP44 / IP54 (according to EN 60529)

Article codes

Article code	Supply voltage	Output	ON/OFF position
MTP-G010-AT	15—24 VAC ±10 % 18—34 VDC	0, Vmin—Vmax	yes

Settings

1 – Minimum speed / output trimmer, Vmin	0—7 VDC
2 – Maximum speed / output trimmer, Vmax	3—10 VDC

Wiring and connections

24 VAC / DC -	Supply voltage, 24 VAC or GND
24 VAC / DC +	Supply voltage, 24 VAC or +24 VDC
Vout -	Output signal, GND
Vout +	Output voltage, 0—10 VDC
Connections	Cable cross section: max. 2,5 mm²

*Warning! Never connect the input GND signal with the output GND signal.*

Operational diagrams
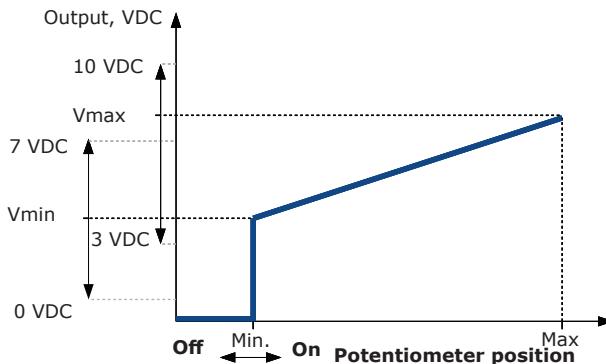
Standards

- Low Voltage Directive 2014/35/EC
- EMC Directive 2014/30/EC
- WEEE 2012/19/EC
- RoHs Directive 2011/65/EC

CE

Packaging

Article	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
MTP-G010-AT	Unit (1 pc.)	85,5	95	70	0,15 kg	0,17 kg
	Carton (10 pcs.)	485	175	77	1,53 kg	1,88 kg
	Box (60 pcs.)	580	370	270	9,18 kg	12,27 kg
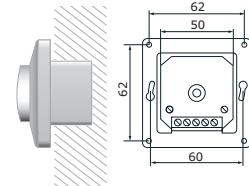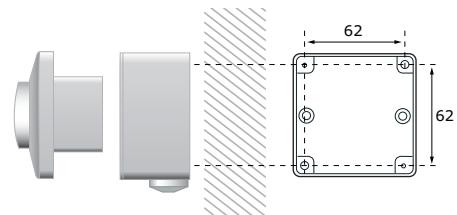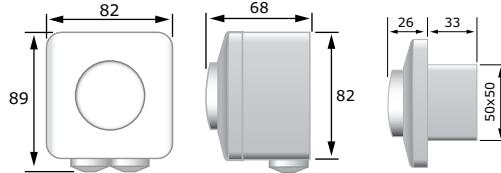
Global trade item numbers (GTIN)

Packaging	MTP-G010-AT
Unit	05401003008898
Carton	05401003301388
Box	05401003502051

Fixing and dimensions