



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 V_{min} (0–7 VDC) and V_{max} (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 (V_{min}) and maximum (V_{max}) output by internal trimmers
- A splash waterproof enclosure
- Inset or surface mounting

Technical specifications

Supply	15–24 VAC \pm 10%	
	18–34 VDC	
Output	0, V_{min} – V_{max}	
Min. output voltage, V_{min}	0–7 VDC	
Max. voltage output, V_{max}	3–10 VDC	
Load	\geq 2 k Ω	
Consumption	Supply: 24 VAC / \leq 20 mA	
	Supply: 24 VDC / \leq 20 mA	
Off-position	yes	
Protection standard	IP44 / IP54 (according to EN 60529)	
Ambient conditions	Temperature	0–50 °C
	Rel. humidity	< 95 % rH (non-condensing)



Article codes

	Supply voltage	Output	ON/OFF position
MTP-G010-AT	15–24 VAC \pm 10 % 18–34 VDC	0, V_{min} – V_{max}	yes

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 mm ²

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

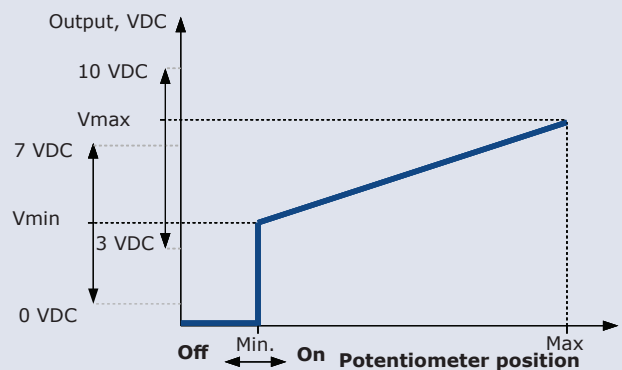
Area of use

A variety of applications where a DC control signal is required

Settings

1 – Minimum speed / output trimmer, V_{min}	0–7 VDC
2 – Maximum speed / output trimmer, V_{max}	3–10 VDC

Operational diagram



Standards

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

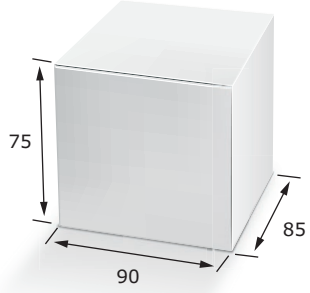


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Packaging



	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
MTP-G010-AT	Unit (1 pc.)	95	85	70	0,14 kg	0,17 kg
	Carton (10 pcs.)	492	182	84	1,37 kg	1,81 kg
	Box (60 pcs.)	590	380	280	8,22 kg	11,38 kg

Fixing and dimensions

