



MTP-D010-DC

Potentiometer with min & max settings, dry contact

These potentiometers control fans / drives (frequency inverters) or applications where a DC control signal is required. The MTP-D010-DC is mounted in a splash waterproof enclosure and can be used for inset and surface mounting. The potentiometer requires a supply between 3 VDC and 15 VDC and it provides a proportional analogue output signal that can be adjusted with a knob between Vmin (10–70 % Vin) and Vmax (30–100 % Vin). It is equipped with a switch (dry contact) for remote ON/OFF switching of external equipment.

Key features

- Stepless control of the output voltage between Vmin and Vmax by knob
- Minimum (Vmin) and maximum (Vmax) output adjustable by trimmers
- A switch (dry contact) at minimum position for remote ON/OFF switching of external equipment
- A splash waterproof enclosure
- Inset or surface mounting

Technical specifications

Supply (Vin)	3–15 VDC	
Output	Vmin–Vmax	
Vmin	10–70 % Vin	
Vmax	30–100 % Vin	
Dry contact switch	4 A (250 VAC) – resistive load 10 A (12 VDC) – resistive load	
Protection standard	IP44 / IP54 (according to EN 60529)	
Ambient conditions	Temperature	0–50 °C
	Rel. humidity	< 95 % rH (non-condensing)

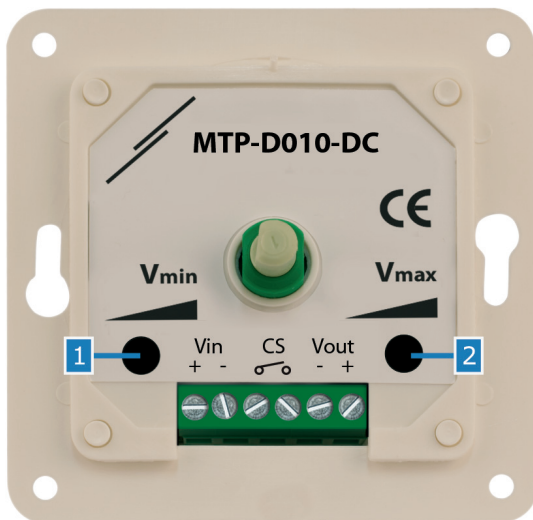


Area of use

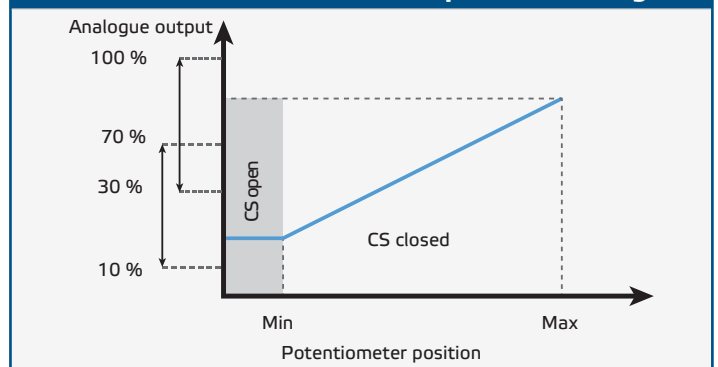
- A variety of applications where a DC control signal is required

Article codes

	Supply	Output	Remote ON/OFF
MTP-D010-DC	3–15 VDC	Vmin–Vmax	yes



Operational diagram



Settings

1 – Vmin adjustment trimmer, VR1	10–70 % Vin
2 – Vmax adjustment trimmer, VR2	30–100 % Vin

Wiring and connections

Vin (+ -)	DC supply voltage (3–15 VDC)
Vout (+ -)	Output voltage (0,3–15 VDC)
CS	Dry contact for remote ON/OFF
Connections	Cable cross section: max. 1,5 mm ²

Standards

- Low Voltage Directive 2006/95/EC
- WEEE Directive 2012/19/EU
- RoHS Directive 2011/65/EU

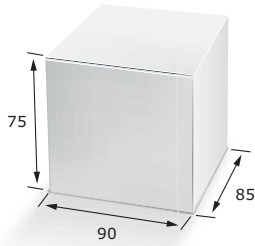




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Packaging



Article	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
MTP-D010-DC	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

