



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 V_{min} (10–70 % V_{in}) and V_{max} (30–100 % V_{in}). 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 V_{min} and V_{max} by knob
- Minimum (V_{min}) and maximum (V_{max}) 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 (V_{in})	3–15 VDC	
Output	V_{min} – V_{max}	
V_{min}	10–70 % V_{in}	
V_{max}	30–100 % V_{in}	
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)



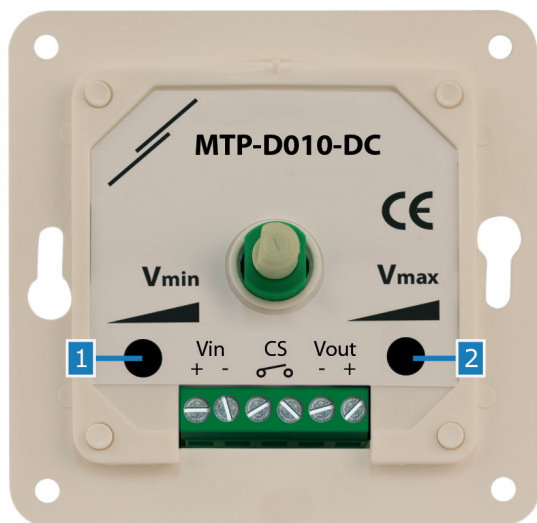
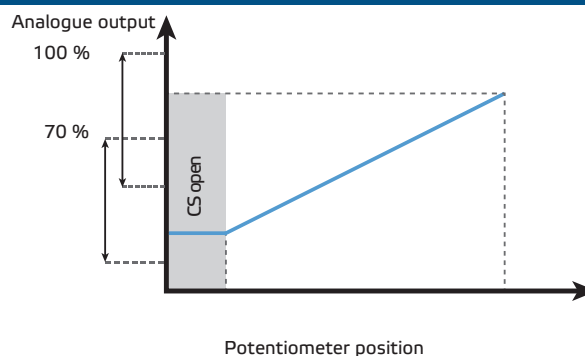
Area of use

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

Article codes

	Supply	Output	Remote ON/OFF
MTP-D010-DC	3–15 VDC	V_{min} – V_{max}	yes

Operational diagram



Settings

1 – V_{min} adjustment trimmer, VR1	10–70 % V_{in}
2 – V_{max} adjustment trimmer, VR2	30–100 % V_{in}

Wiring and connections

V_{in} (+ -)	DC supply voltage (3–15 VDC)
V_{out} (+ -)	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

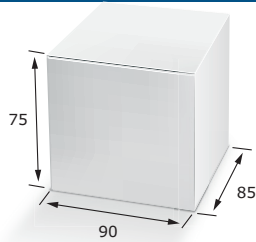




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Packaging



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	13,15 kg

Global trade item numbers (GTIN)

Packaging	MTP-D010-DC
Unit	05401003008881
Carton	05401003301371
Box	05401003502044

Fixing and dimensions

