

 DS005en	Data Sheet	
UEA0-Potentiometer Series	Room Potentiometer with Analogue Output	

The Room Potentiometer (UEA0-Potentiometer series) is designed for use with modulating damper actuators, valve actuators or general use

The knob range is 0–100%, corresponding to 0–100% control signal output

The Controls Signal can be 0–10 V or 4–20 mA, field selectable

Room Potentiometer is supplied with 24 V AC/DC



- Compatible with all common HVAC devices
- Suitable for Room mounting
- Used in Commercial and Industrial Buildings

Features

- The room potentiometer is supplied with 24V AC/DC
- The controls signal can be 0–10 V or 4–20mA
- Easy to connect via plug-in terminals
- Professional and practical product design
- Easy to use, install and maintains free

Product Range

Order Code	Power Supply	Control Output		Control Signal Knob	Mounting	Protection	Size (LxWxH)
UEA0G.P	AC/DC 24 V (±10 %)	corresponding to Control Signal Knob Position	0–10 V	Free adjustable 0 to 270° 0 to 100 %	Room Wall Mounting	IP20	86 mm × 86 mm × 23 mm
UEA0G.R			4–20 mA				

Application	Specification	Proportional to the position of the rotary knob, a control signal is generated	
	Room Potenti	The control signal can be either 0–10 V or 4–20 mA	
		The rotary knob is freely ajustable between 0 and 270° (0 to 100 %)	
		The position of the rotary knob is proportional to the control signal	
		0 % scale value = 0 % output signal (0 V or 4 mA) 100 % scale value = 100 % output signal (10 V or 20 mA)	
Technical Information	Electrical Information	Power Supply	AC/DC 24 V (±10 %)
		Frequency	50/60 Hz at AC 24 V
		Terminal Clamp	Screw terminal, max. 1.5 mm²
		Power Consumption	max 1 VA
	Mechanical Information	Cable Entry	~50 mm × 10 mm on the backside
		Change of output signal (0–10 V, 4–20 mA)	Via jumper on the PCBa board
	Materials and Colours	Housing Cover	ABS, white
		Housing Bottom	ABS, white
		Rotary Knob	ABS, grey
		Flammability Standard	UL 94 class HB; IEC 60707; ISO 9770
	Environmental Conditions	Operation Temperature	0°C to +50 °C
		Operation Humidity	<85 % RH, no condensation
		Transport Temperature	–35 °C to +70 °C
		Transport Humidity	<90 % RH
		Storage Humidity	<85 % RH, no condensation
	Norms and Directives	IP-Rating	IP20 to IEC60529
		REACH Regulation	Regulation (EC) No. 1907/2006
		Product Safety	Safety class III, in : III to EN 60 730
		Product Standard	Automatic electrical controls for household and similar use in accordance with EN IEC 60730-1:2022
		CE marking in accordance with Directive	2014/30/EU Electromagnetic Compatibility (EMC)
		EMC Emissions, in accordance with	EN IEC 60730-1:2022
		EMC Immunity, in accordance with	EN IEC 60730-1:2022
		RoHS Compliance, in accordance with	Directive 2011/65/EU, as amended by (EU) 2015/863
		Operation Climatic Condition	IEC 60 721-3-3
		Operation Mechanical Condition	IEC 60 721-3-2 to class2M2
		Transport to Climatic Condition	IEC 60 721-3-2
		Transport Mechanical Condition	IEC 60 721-3-2 to class2M2
		Storage Climatic Condition	IEC 60 721-3-1
		Storage Mechanical Condition	IEC 60 721-3-1 to class2M2
Miscellaneous	Accessories	N/A	
	Shipping & Handling	Minimum Order	1 box with 1 piece
		Packaging	Rigid cardboard packaging
	Order Notes	Order Code	See product range, page 1, e.g. UEA0.P

Installation Notes

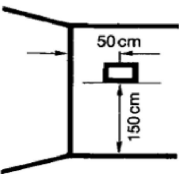
Observe the following general regulation for engineering and installation:



Room Potential

- All relevant national and local electrical installation codes
- Other country-specific regulations
- Comply with all local safety regulations, schematics, cable listings, dispositions, specifications, and arrangements from the engineering office in charge
- Third-party specifications, e.g., general contractors' or constructors' notes

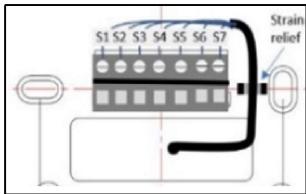
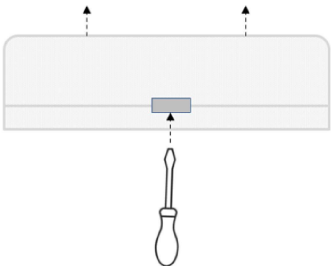
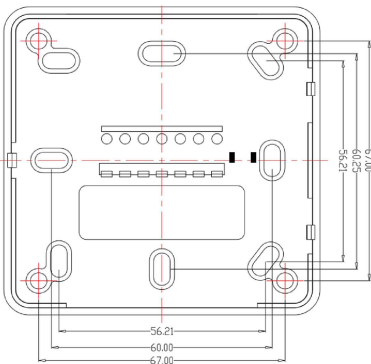
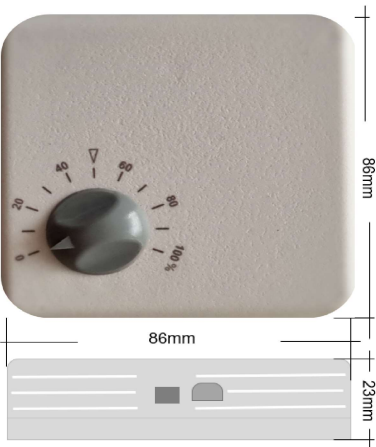
Mounting Advices



Disposal Notes



- The device is considered an electronic device for disposal in terms of the European Directive 2012/19/EU
- The device may not be disposed as domestic garbage
- The device must be disposed through channels provided for this purpose
- It is mandatory to comply with local currently applying laws and regulations



Terminal Connections			
S1	S2	S3	S4
UB+	24V AC/DC	GND	N/A
			Output