

## Alternate replacement for Siemens BSG21.1 (Discontinued)

### And for BSG61(replacement)



**HBSG-61.6/SW**

**PICTURED**

## HBSG Remote Adjusters

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*Wall or panel mount adjusters for remote setting of temperature setpoint, speed or position control, to suit a wide range of controllers, vsd / ec motors or modulating actuators, available in passive or active with various outputs & scale plates.*

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### TYPE SUMMARY

**HBSG -10K . #** 0-10K POTENTIOMETER (TO SUIT HEVAC ENDEAVOUR CONTROLLERS OR EC FANS)

**HBSG - 21 . 3** 150 - 650 ohm potentiometer to suit siemens temperature controllers (8-32c)

**HBSG - 61 . #** 0-10vDC OUTPUT

**HBSG - 420 . #** 4 - 20mA OUTPUT

**/ SW** On /Off switch (potential free) operates at 10% of rotation (max. 1 amp / 24volt)

### # SCALE PLATES AVAILABLE

- .1** 18 - 25c temperature scale (To suit Hevac Endeavour controller).
- .2** 0 - 50c temperature scale.
- .3** 8 - 32c temperature scale (To suit Siemens controllers as per BSG21.3).
- .4** No scale - with eleven evenly spread graduations.
- .5** 0 - 100% scale.
- .6** 0-100 % scale with OFF position (switch).
- .7** Cooler / Warmer (blue / red) coloured tapered slashes.

### ORDERING EXAMPLES

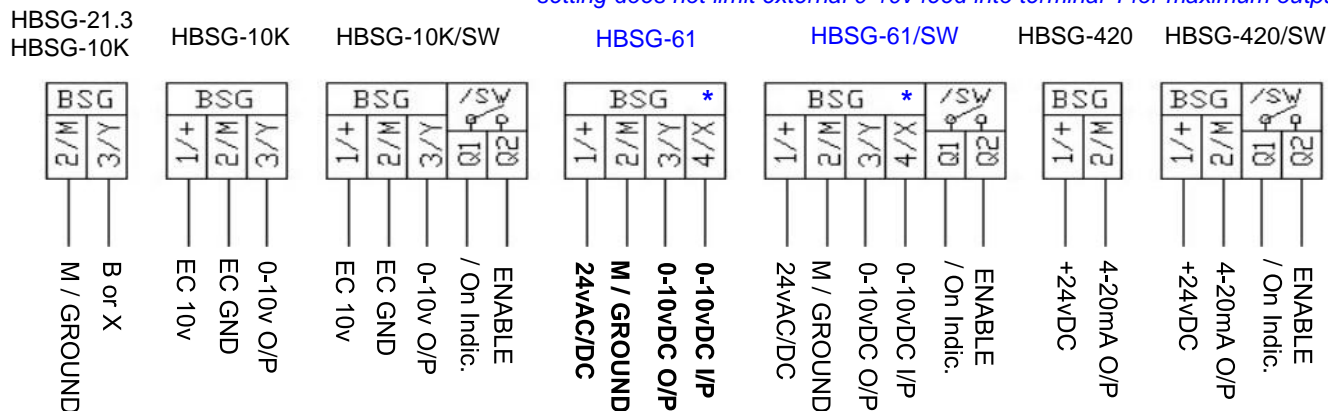
HBSG-10K.1 0-10K adjuster with 18-25c scale (to suit Hevac Endeavour)  
HBSG-21.3 Passive resistance adjuster with 8-32c scale (to suit Siemens)  
HBSG-61.6/**SW** 0-10vDC Output with 0-100% scale + On/Off switch  
HBSG-420.2 4-20mA Adjuster with 0-50c scale

## Technical data

General unit data	Setting range	300 degrees mechanical rotation / active range = ~250 degrees	
	Materials		
	Cover and mounting plate	Polycarbonate	
	Setting knob	Polycarbonate	
	Colour		
Environmental conditions	Cover plate	SATIN WHITE	
	Setting knob	WHITE	
	Operation		
	Climatic conditions		
	Temperature (housing)	-5...+55 °C	
	Humidity (housing)	5...95 % r. h.	
	Transport	to IEC 721-3-2	
	Climatic conditions		
	Temperature	-25...+70 °C	
	Humidity	<95 % r. h.	
Norms and standards	Mechanical environmental conditions	class 2M2	
	LOW VOLTAGE c/w OUTPUT PROTECTION		
	-		
	low voltage maximum 24vAC or DC connections		
Max. cable lengths	0.25 mm <sup>2</sup> copper	40 m	
	0.50 mm <sup>2</sup> copper	75 m	
	1.0 mm <sup>2</sup> copper	110 m	
Weight	Incl. package	0.06 kg	

### TYPICAL CONNECTION DETAILS

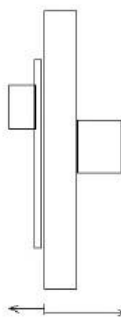
\* NOTE : HBSG-61 input terminal 4 (0-10v) hi-signal selects with knob position for final 0-10v output on terminal 3. HBSG61 also incorporates Min. & Max output limiting adjustment potentiometers, but note max output setting does not limit external 0-10v feed into terminal 4 for maximum output.



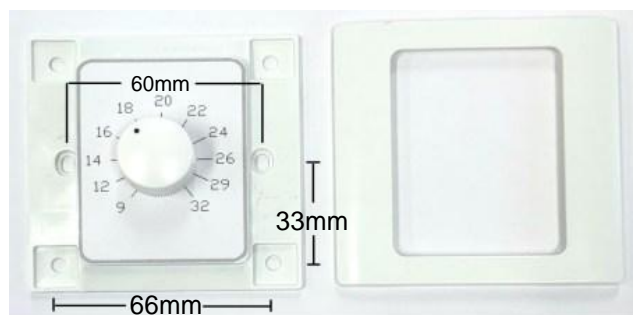
### Dimensions & Mounting



86mm Square Wall Mount, Also Compatible with Type 86 Mounting enclosures & brackets



15mm 25mm

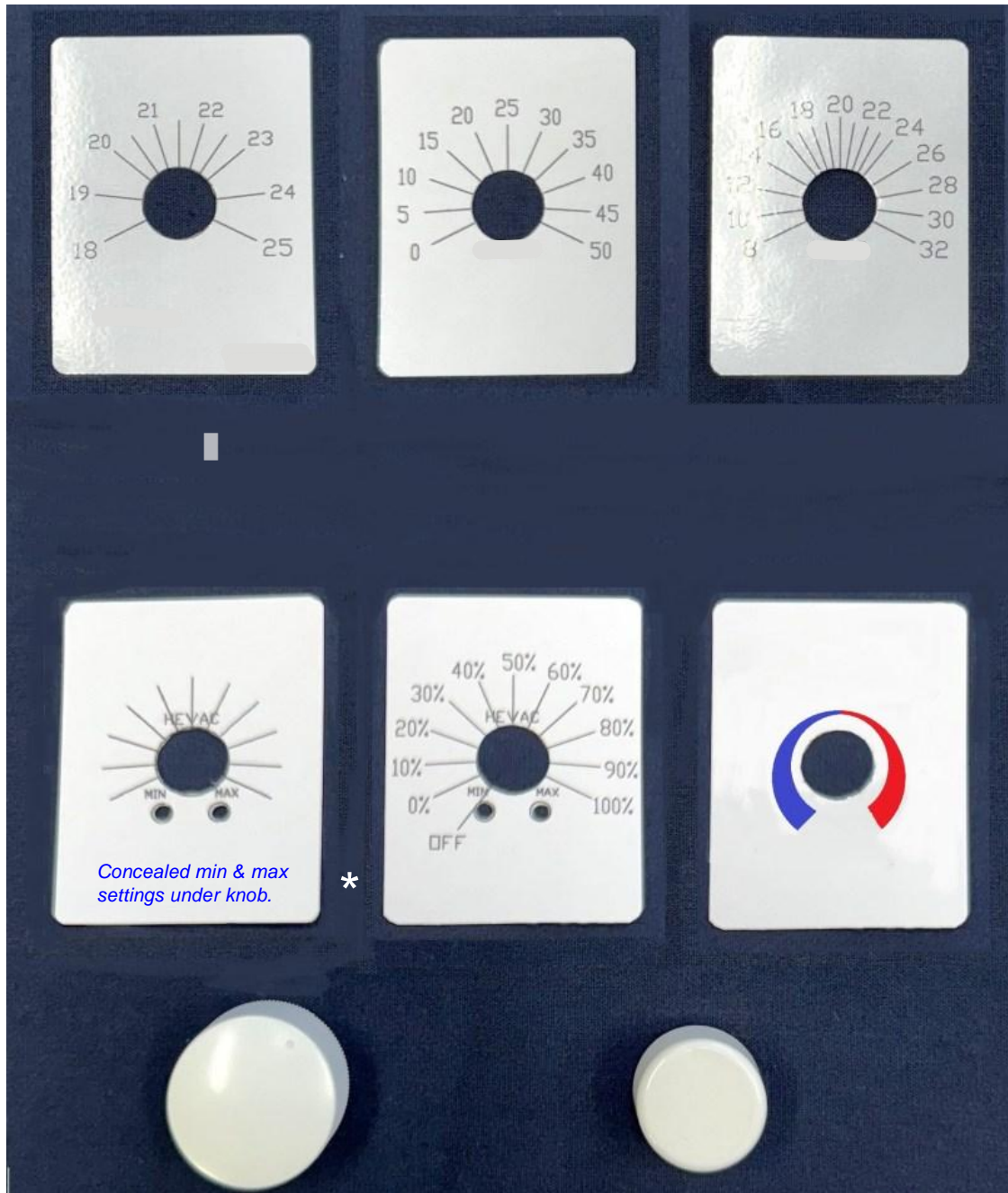


## **STANDARD AVAILABLE SCALE PLATES & KNOBS**

*can be produced with black text on clear , or black text on white.*

- .1 18 - 25c temperature scale (To suit Endeavour controller)
- .2 0 - 50c temperature scale
- .3 8 - 32c temperature scale (To suit Siemens controllers as per BSG21.3)
- .4 No scale - with eleven evenly spread graduations
- .5 0 - 100% scale
- .6 0 - 100% scale with OFF position (for on/off switch version)
- .7 Cooler / Warmer (blue / red) coloured tapered slashes

**\*** MINimum & MAXimum signal limiter adjustments concealed under 32mm knob (slightly exposed with 23mm knob)



32mm or 23mm knobs available

*On request bare PCB, adhesive PCB support posts, scale & knob can be alternatively supplied for mounting in 3rd party mounting plate, Please enquire.*