

What is hergair?

Hergair air activated remote control systems are the answer to all kinds of electric switching problems.

Hergair is simple - pressing the buttons or footswitches operates a bellows which forces air along the tube creating enough pressure to activate the electric switch placed outside the dangerous zone.

The switches are grouped into functions:-

Single action Press ON, Release OFF

Maintain action Press ON, Press OFF

Special action Which includes a range of switch sequence variations and configurations.

❖ Selection

With most hergair systems, the air circuit is permanently sealed. As a result, the actuator bellows can be used frequently and regularly without loss of air. Built-in temperature compensation allows for changing ambient conditions. It is normally not recommended to use hergair systems on applications where the air system is permanently pressurised.

The maximum tube length with any system depends on several variables including the type of bellows, the type of switch, the size of tube, the temperature range and the atmospheric pressure range.

Allow 10m/Secs delay for every metre of standard 3mm bore tubing, and 20m/Secs for every metre of 1mm bore.

Tube lengths should be reduced by 12% for 1000m altitude and by 10% for each 1000m thereafter.

For multi-way pendant controls, the specified tube length is in addition to the 2m pre-fitted tube.

❖ Why choose hergair?

Safety The bellows are not affected by water, dirt, dust or flammable gasses and cannot become 'live' if damaged.

E.M.C Herga systems avoid problems in meeting new standards for electro magnetic compatibility.

Simplicity The controls are straightforward to install and service and are simple to operate. Replacements can often be carried out by non technical staff.

Reliability All systems have exceptionally long lives, proven both in the field and in herga's extensive laboratory facilities.

International The use of air as a switching medium removes the need to comply with a world-wide multiplicity of differing electrical specifications. One design will serve all markets.

Innovation Herga are the innovative and acknowledged experts in airswitching systems with a total commitment to quality and service.

Technical Advice

Herga operates a comprehensive advice and design service - please do not hesitate to use it.

MAXIMUM STANDARD TUBE LENGTH (M): Temperature range +10°C to +30°C

	6470 Light Duty	6442 Standard	6443-00 Vandal Proof	6445 Miniature	6445 Flow Control	6431 Surface Control	6433 Surface Mount	6439 Thread Mount	6210-0B Panel Mount	6254-0B Foot Standard	6448 Foot Heavy Duty	6448 Foot Actuator	6448 Double Volume	6449 Pendant Standard	6434 Micro Bellows	6438 Mini Bellows	6447 Twin Foot Bellows		
6753-0F	100.0	100.0	100.0	70.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	50.0	16	24	50
6861-00	16.0	24.0	24.0	20.8	24.0	33.6	73.0	33.6	24.0	24.0	48.0	48.8	10.0				12	15	
6862-00	11.2	16.8	16.8	14.4	16.8	21.6	46.0	21.6	16.0	16.0	32.0	44.4	6.0				9.0	15	
6871-00	8.0	10.0	10.0	6.0	6.0	15.0	15.0	15.0	10.0	10.0	20.0	36.0	7.8	2.0	8.0	30.0			
6872-00 & 0C	6.0	7.0	7.0	4.0	4.0	10.0	10.0	10.0	6.0	6.0	14.0	22.0					1.0	6.0	2.0
6861-A0 & 0C	5.6	8.8	8.8	6.5	8.8	10.4	27.2	10.4	8.8	8.8	15.2	37.0	3.6				2.4	7.0	
6862-A0 & AC	4.0	6.4	6.4	5.1	6.4	8.0	20.8	8.0	7.2	7.2	11.2	37.0	2.8				2.0	7.0	
6871-A0 & AC	7.0	8.0	8.0	5.0	5.0	18.0	18.0	18.0	10.0	10.0	15.0	20.0	5.6	1.2	8.0	9.0			
6872-A0 & AC	5.0	6.0	6.0	3.0	3.0	9.0	9.0	9.0	6.0	6.0	10.0	19.0					5.0	8.0	
6872-H0 & HC	4.0	5.0	5.0	2.0	2.0	7.0	7.0	7.0	4.0	4.0	8.0	16.0					4.0	6.0	
Tube Dia	3mm															1.5mm			

Table above is a rough guide only, please contact sales for specific application.