

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
Latching 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.

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

The grid below details the tube length that may be used with various Herga bellows and air switches.

Air Switch	6442	6443	6431	6433	6439	6210-0B	6254-0B	6448	6448 D/ Volume	6438 Mini	6447 Twin
6753-ACAA-A000	75M	75M	75M	75M	75M	75M	75M	75M	75M	24M	30M
6861-00	24	24	33.6	65	33.6	24	24	48	48.8	12	15
6862-00	16.8	16.8	21.6	46	21.6	16	16	32	44.4	9	15
6871-01	10	10	15	15	15	10	10	20	36	8	30
6872-0C	7	7	10	10	10	6	6	14	22	6	2
6861-A0	8.8	8.8	10.4	27.2	10.4	8.8	8.8	15.2	37	2.4	7
6861-AC	8.8	8.8	10.4	27.2	10.4	8.8	8.8	15.2	37	2.4	7
6862-A0	6.4	6.4	8	20.8	8	7.2	7.2	11.2	37	N/A	7
6862-AC	6.4	6.4	8	20.8	8	7.2	7.2	11.2	37	N/A	7
6871-A0	8	8	15	18	15	10	10	15	20	8	9
6871-AC	8	8	15	18	15	10	10	15	20	8	9
6872-AC	6	6	9	9	9	6	6	10	19	5	8
6872-HC	5	5	7	7	7	4	4	8	16	4	6
Tube Dia	2311-08 Tubing 3mm									2311-03 Tubing 1.5mm	