

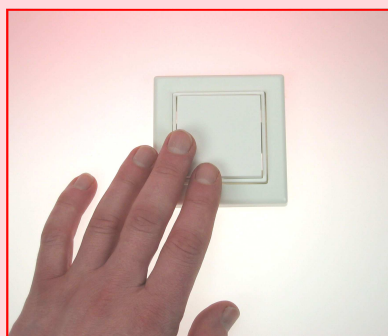


New Maintenance free, Batteryless Radio System from Herga makes light work of problem Installations!

Designed for integration into many different applications **remote switching for fluorescent lighting**, the Navatis receiver and wireless wall switches are easy to install and offer much greater flexibility than hard wiring when planning or altering installations.

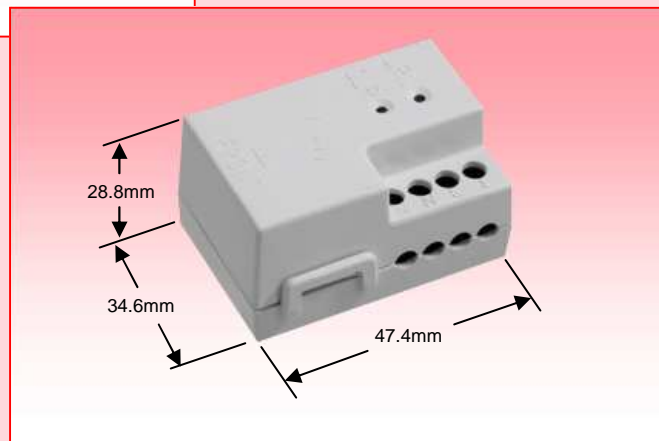
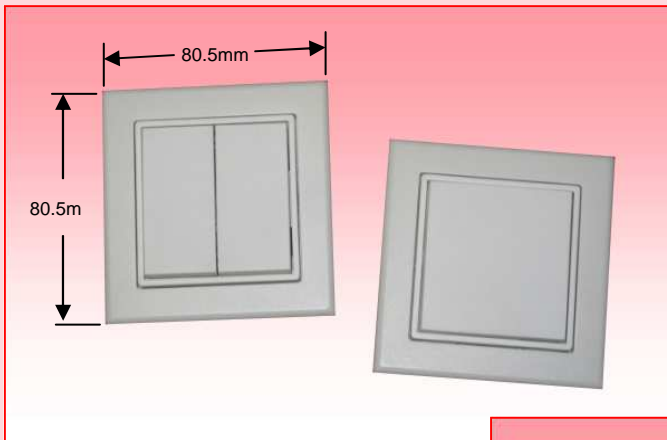
Adding extra switching to existing installations couldn't be easier, simply install the receiver in a convenient place and program. The transmitter can then be mechanically fixed to a wall using the fittings provided or stuck to a convenient surface and away you go!

This entry level system is an excellent introduction to Navatis technology but should your needs exceed its capabilities Herga Electric Limited offers bespoke design services for all your control and switching requirements.



Benefits

- ❖ Maintenance Free, batteryless Transmitters.
- ❖ No awkward wiring or chasing out of walls.
- ❖ One transmitter can operate any number of receivers.
- ❖ 1 & 2 gang rocker switch versions available.
- ❖ Each rocker is independently programmable to different receivers.
- ❖ Ultra Low profile surface mounted wall switch.
- ❖ Easy to install and simple to program.
- ❖ Capable of switching all types of load including: Incandescent, HQL-HQI, EVG Dynamic/dimmer, Halogen and fluorescent lamps.
- ❖ Up to 30 transmitters can be assigned to one Receiver.
- ❖ Supply voltages 230V AC or 110V AC.



Technical Data	
Transmission frequency	868.3MHz
Power supply	230V~/50Hz
Maximum ratings	Maximum 1100VA resistive (cos φ = 1.0) 400w Tungsten (Incandescent lamp) 360W Ballast (fluorescent lamp)
Operating temperature	-10° to +45° C
Storage temperature	-40° to +85° C
Test specifications	IEC 60669-2-1
Certifications	CE
Degree of protection	IP30

Transmission Range

Building materials play an important role when assessing the transmission range capabilities of the system, below are some approximate values to help when planning installations:

- *Line-of-sight connections:* Typically 30m range in corridors, up to 100m in halls/outdoors
- *Plasterboard walls / dry wood:* Typically 30m range, through max. 5 walls
- *Brick walls / aerated concrete:* Typically 20m range, through max. 3 walls
- *Ferroconcrete walls / ceilings:* Typically 10m range, through max. 1 ceiling
- *Fire-safety walls, elevator shafts, staircases and supply areas should be considered as screening.*

These figures are meant as a guide, performance may vary slightly due to exact conditions of installation

Output Relay Switching Capabilities

Type of Load		Maximum Load
Incandescent lamp 230V AC		4 x 100W
Gas Discharge lamps/HQL-HQI/not compensated		100W
Gas Discharge lamps/HQL-HQI/compensated		80W (14uF)
EVG Dynamic/dimmer		4 x 18W
		3 x 36W
		2 x 58W
Halogen Lamp 230V AC		150W
Fluorescent lamp 230V AC	Not compensated cos φ 0.4 - 0.6	20 x 18W
		10 x 36W
		6 x 58W
With conventional ballast	Compensated with capacitance in parallel	4 x 18W
		3 x 36W
		2 x 58W (2x7 μ F)
	Compensated fluorescent DUO-circuit	4 x 18W
		3 x 36W
		2 x 58W
Fluorescent lamp 230V AC with electronic ballasts	Siemens / Osram EVG	6 x 18W
		4 x 36W
		3 x 58W
Resistive Load 230VAC	cos φ =1	5A
Max. capacitance at 230V AC		14 μ F
Max. in rush current for max. 20ms @ 230V AC		40A