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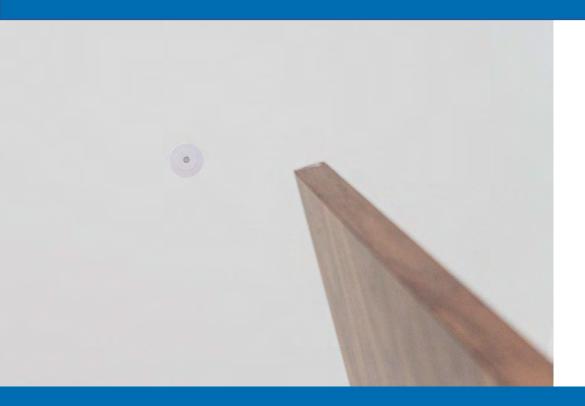
Why PIRs are an essential part of a KNX system

Presented by:
Matthew Emberson
Sales & Marketing Director
Faradite Ltd





What is a PIR?



- **P**assive **I**nfra**R**ed sensor

- Detects the infrared heat given off by people





- Alarm sensors
- Security lights (outdoor)
- Automatic doors







- Universal control standard

100's of manufacturers
 1000s of compatible products.



## GIVE PIRS A CHANCE



LIVING ROOM ELEGANCE





THE GREAT OUTDOORS

Smart Home and Building solutions. Global. Secure. Connected.





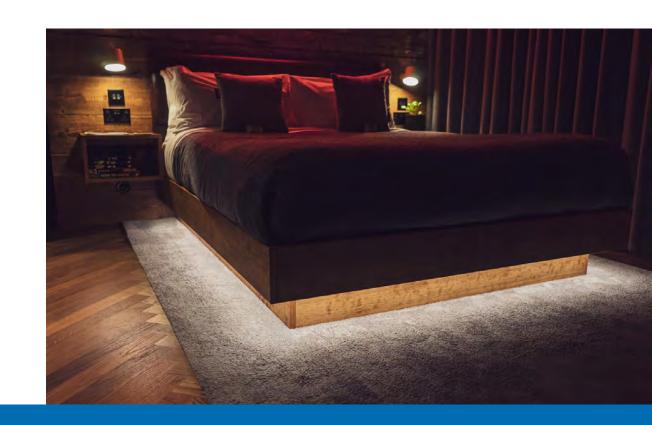
MEETING ROOM MAGIC



PIR detection during the **day** will bring the room lights on.

PIR detection during the **night** will just bring low level dimmed lighting on.

No PIR detection for 4 hours will set the room HVAC to standby.





## OCCUPANCY (FULL AUTO)

#### ABSENCE

Sensor is used to switch ON when someone enters the space, and after timeout turn OFF.

Lights etc are still manually turned on, but after a configured length of no presence the PIR can be used to turn OFF only.

### MANUAL OVERRIDE

System can be commissioned to optionally have a manual override mode where sensor will do nothing.



HEATING COOLING LIGHTING

Only heat the rooms people are in.

Don't leave power hungry Aircon on in empty rooms

Turn on lighting on entry and turn off when left vacant.

AV MORE...

Power off screens / audio when room is no longer in use

If it can be switched on / off why not consider how it can be controlled by a PIR.



PLAN

AUTOMATION

FINE TUNE

Plan where PIRs should be installed at the early stage of design.

Carefully consider the intended automation the PIRs should trigger.

Automations can be tuned after install if needed by your control system specialist.









We look forward to seeing you in 2024