ES09 — Intruder Alarm

Document Control

Rev	Date	By	Comments
A	Jun'16	L. Davies	Technical review update
B	Oct'17	L. Davies	Technical review update
C	Dec 17	UoL	Sign off for release
D	April 2020	R Sturgess	Technical review update

Design Guidance

1. The campus security control room shall be the head end for all Intruder alarm monitoring including offsite developments. Remote monitoring shall be undertaken via a dual com device and / or a SALTO link depending on site requirement.
2. Consultation with the UOL security officer shall be undertaken at the design concept stage of the project to ensure the security of the development proposals are risk assessed to ensure the correct application and system infrastructure is provided.
3. Minimum of Insurance grade 2 devices will be required for all University developments
4. Insurance gate 3 devices may be required but this will be down to insurance company and security evaluation.
5. Means of alarm communication will be evaluated on a site by site basis as above. Poling requires may require up to Grade 4.
6. All new Intruder alarm systems shall be provided with an IP front end capability.
7. Allowance to link the intruder alarm to a SALTO access control panel must be made.
8. Where possible buildings should not have multiple alarm panels a central location should be established and a big enough panel allowed for the areas in the building can be "Zoned" with key pads in key entry exit points.

Design Components

Item	Manufacturer	Comments
Control equipment	Orisec	All conventional control equipment shall include IP connectivity. PSTN line to be provide where applicable. Control panel to include integral 7hr battery backup as standard or higher as site requires Control panel shall be fed via a 230V 3A un-switched fused connection unit and shall be provided with an RJ45 network outlet.
Input expanders	Orisec	Expanders shall be utilised throughout where possible. Where intruder alarm circuit load demand is greater powered expanders shall be used with battery calculations work out correctly. A un-switched 240v 3amp supply would be required.

Design Components

Item	Manufacturer	Comments
Keypads	Orisec	keypads shall be used as standard
External sounder/ strobe	Orisec	Sounder/ strobe unit locations to be agreed with the security officer and conservation officer (where required).
Sensors	Orisec	All PIRS to be selected to suite the installation grade applicable.
Reed Contacts		All contacts to be selected to suite the installation grade applicable.
Joint Boxs		Where joint boxes are required, these should be tampered to comply to the grade of the alarm installation.

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Framework Contractors

Service	Specialist	Address & Contact Details
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