

Object	Failure mode	Causes	Effects	Severity	Frequency	Detection	RPN	Recommended action	Severity	Frequency	Detection	RPN
Alarm unit	Malfunctioning	Electronic or software failure	No generation of the alarm	9	2	4	72	Periodic maintenance, accurate installation procedure, safe power supply line	9	1	2	18
Sirens	Malfunctioning	Electronic or physical failure	No acoustic signal	5	3	4	60	Periodic maintenance, accurate installation procedure, multiple sirens	1	2	4	8
Telephone module	No line for calling	Provider malfunctioning, intentional cut of the line	No possible calls to users	5	3	2	30	Redundant methods: GPS and landline. Trusty provider and inaccessible cables	2	1	1	2
Central unit	Malfunctioning	Electronic or software failure	No detection	9	2	3	54	Periodic maintenance, accurate installation procedure, safe power supply line	9	1	3	27
Infrared sensor or contact	Malfunctioning	Electronic or physical failure	No detection of the intrusion	6	4	3	72	Periodic maintenance, accurate installation procedure, redundant sensors or contacts	3	2	2	12