

ROBOT PoE SWITCH

USAGE RISK ASSESSMENT

Osprey Systems
Engineering Ltd
Derwent Mills Commercial
Park
Cockermouth
Cumbria
CA13 0HT

Telephone: +44
(0)7935917928

Authorisations

	Name	Signature	Date
Prepared By	Dr. Benjamin Bird		27/02/2022
Checked By	Dr. Benjamin Bird		16/04/2022
Approved By	Dr. Benjamin Bird		16/04/2022
Accepted By	Dr. Benjamin Bird		16/05/2022

Document History

Issue	Date	Status / Changes
1	27/02/2022	Initial Document
1.1	16/05/2022	Document Revision

Title:	Robot PoE Switch usage risk assessment
Scope of work:	All general use-cases of the Robot PoE Switch
Location:	All locations

Severity							Severity		Likelihood			
Likelihood of Event		C	Cr	Se	M	N						
	F	U	U	H	M	L	C	Catastrophic (Multiple fatalities severe widespread environmental damage)	F	Frequent (Not surprised, will occur several times)		
	P	U	U	H	M	L	Cr	Critical (Single fatality and/or multiple severe injuries, occupational illness or environmental impact)	P	Probable (Occurs repeatedly/an incident to be expected)		
	O	H	H	M	L	T	Se	Serious (Single severe injury or occupational illness and/or multiple minor injuries or minor occupational illness)	O	Occasional (Could occur sometimes)		
	R	M	M	L	T	T	M	Minor (Minor injury/short term absence)	R	Remote (Unlikely though conceivable)		
	I	L	L	T	T	T	N	Negligible (Trivial injury (First aid only)/ environmental damage to plants)	I	Improbable (Could happen but probably never will)		
Comments:							Risk Rating					
							Unacceptable/Very High Risk		Work shall not proceed or facility shall not be used.			
							High		Reduce risk through additional controls if practicable, if not, Permit to Work may be required in addition to Safe Method of Work; competency levels appropriate and documented.			
							Medium		Reduce risk through additional controls if practicable, if not, add to the Safe Method of Work the levels of competency should be appropriate.			
							Low		This work which may be of a routine nature will require a Safe Method of Work.			
							Trivial		Additional controls required only if the benefits justify the effort.			
What Are the Potential Hazards?		Who Will This Effect and How?		Likelihood	Severity	Risk Rating	What Are You Doing About It?			Likelihood	Severity	Risk Rating

Risk of electrocution	Anyone using the Robot PoE Switch	I	N	T	Device utilises low voltage electronics only. Use only serviceable DC power supply.	I	N	T
Risk of fire	Anyone using the Robot PoE Switch	I	M	T	Do not disassemble device or attempt to modify, do not crush device, do not subject device to high G-force impacts, do not use device if damaged.	I	M	T
Risk of EMI interference	Anyone using the Robot PoE Switch	N	I	T	Device itself has been tested and found to comply with EMI regulations. If deploying Robot PoE Switch in an environment with mission sensitive, legacy RF infrastructure, device should be qualified for use with reverent personnel to insure it does not interfere.	N	I	T
Device falling and striking someone	Anyone using the Robot PoE Switch or people walking under an installation	R	M	T	User should ensure device is properly secured to an appropriate structure, utilising mounts. Device should not be mounted over walkways.	R	M	T
Device falling and pulling plugged in equipment with it, causing damage to that equipment	Anyone using the Robot PoE Switch	R	M	T	User should ensure device is properly secured to an appropriate structure, utilising mounts if the device is positioned at greater than chest height. User should ensure appropriate cable management is conducted, and working area is tidy.	R	M	T