

PRODUCT RISK / HAZARD ASSESSMENT TABLE

PRODUCT NAME:	63A POWER CUBE	Assessment Carried Out By:	JAMES WEST
MANUFACTURER:	WORK SMART EQUIPMENT	Document Revision Number:	001
OPERATOR COMPETENCY:	PLANT LICENCE NOT REQUIRED	Date Created:	26/09/2012

No:	TYPE / NATURE OF RISK or HAZARD		LIKELIHOOD	CONSEQUENCE	RISK LEVEL	CONTROL ACTION				
1.0	LIVE PARTS	1.1	ELECTROCUTION DUE TO SEVERING/DAMAGING LEAD WHILE HANDLING THE LEAD WHILE USING THE UNIT	4	VERY UNLIKELY	1	FATALITY	3	MEDIUM	FOLLOW INSTRUCTIONS IN OPERATION MANUAL, FOLLOW RISK ASSESSMENT FOR LEAD MANAGEMENT
		1.2	ELECTROCUTION DUE TO CONTACT WITH LIVE COMPONENTS WHILE IN OPERATION	4	VERY UNLIKELY	1	FATALITY	3	MEDIUM	FOLLOW INSTRUCTIONS IN OPERATION MANUAL: PUSH TEST BEFORE EVERY USE, NEVER OPEN LID UNLESS QUALIFIED ELECTRICIAN INSPECT FOR HOUSING DAMAGE BEFORE EVERY USE
		1.3	ELECTROCUTION DUE TO OPERATION INSIDE THE SEAL/LID OF THE UNIT WITHOUT PROPER TRAINING OR CONSENT	4	VERY UNLIKELY	1	FATALITY	3	MEDIUM	NEVER OPEN THE SEAL AND LID OF THE UNIT IF NOT QUALIFIED ELECTRICIAN
		1.4	ELECTROCUTION DUE TO WET HANDS COMING IN TO CONTACT WITH THE LEAD AND THE POWER OUTLET WHILE IN OPERATION	4	VERY UNLIKELY	1	FATALITY	3	MEDIUM	NEVER HANDLE LEADS AND POWER OUTLETS USING WET HANDS
2.0	FIRE	2.1	IGNITION DUE TO ELECTRICAL COMPONENT FAULTS	3	UNLIKELY	3	MINOR	5	LOW	PUSH TEST COMPONENTS BEFORE EACH USE, TAG AND TEST AS REQUIRED BY LEGISLATION
		2.2	IGNITION IN A EXPLOSIVE OR FLAMMABLE ATMOSPHERE	3	UNLIKELY	2	MAJOR	3	MEDIUM	DO NOT OPERATE NEAR EXPLOSIVE OR FLAMMABLE ATMOSPHERE
		2.3	USING OVERLY LONG EXTENSION LEAD CAUSING PARTS TO BECOME FLAMMABLE AND LIVE	3	LIKELY	1	FATALITY	1	HIGH	FOLLOW INSTRUCTIONS IN OPERATION MANUAL: NEVER USE MORE THAN ONE LEAD FOR INPUT SUPPLY
3.0	HOSTILE ENVIRONMENT	3.1	ELECTROCUTION DUE TO SUBMERGING UNIT WITH LIVE CONNECTIONS IN WATER	4	VERY UNLIKELY	1	FATALITY	3	MEDIUM	NEVER ALLOW UNIT TO BE SUBMERGED IN WATER
		3.2	ELECTROCUTION WHEN IN CONTACT WITH WORN EXPOSED COMPONENT DUE TO USE IN HARSH ENVIRONMENTS SUCH AS CONSTRUCTION SITES AND TRANSPORT TO SITE	4	VERY UNLIKELY	1	FATALITY	3	MEDIUM	CHECK UNIT BEFORE EACH USE FOR WEAR AND TEAR DAMAGE
		3.3	ELECTROCUTION CAUSED WHILST OPERATING IN MOIST ENVIRONMENT	4	UNLIKELY	1	FATALITY	2	MEDIUM	SEE INSTRUCTION MANUAL FOR ALLOWABLE LIMITS OR EXPOSURE TO WEATHER. PROTECT UNIT FROM WEATHER + ELEMENTS AS MUCH AS POSSIBLE
		3.4	VIBRATIONS CAUSING LIVE WIRE TO BECOME LOOSE AND EXPOSED	4	UNLIKELY	1	FATALITY	2	MEDIUM	SET UP AWAY FROM VIBRATIONAL SURFACES WHILE IN OPERATION, CHOOSE FLAT AND EVEN SURFACES IF POSSIBLE
4.0	PARTS FAILURE	3.1	ELECTROCUTION DUE TO RCD NOT TRIPPING PROPERLY	4	VERY UNLIKELY	1	FATALITY	3	MEDIUM	SEE INSTRUCTIONS IN OPERATION MANUAL: DO NOT USE THE DEVICE IF THE RCD IS NOT TRIPPING OR TRIPPING REPEATABLY AND SEEK ADVICE FROM MANUFACTURER OR QUALIFIED ELECTRICIAN + FOLLOW TAG & TEST REGULATION

NOTES:

- > THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED AS A 63A POWER DISTRIBUTION BOX ONLY
- > THIS DOCUMENT HAS BEEN PREPARED ACCORDING TO GUIDELINES AND RECOMMENDATIONS FOUND IN:
 1. 'HAZPAK' PRODUCED BY THE WORK-COVER AUTHORITY AND
 2. AUSTRALIAN STANDARD, AS/NZS 3760 IN-SERVICE SAFETY INSPECTION AND TESTING OF ELECTRICAL EQUIPMENT.

"LIKELIHOOD LEVEL" REFERS TO THE PROBABILITY OF AN EVENT HAPPENING. THE FOLLOWING SCALE HAS BEEN USED TO DESCRIBE THE LIKELIHOOD OF A DEFINED RISK / HAZARD EVENT OCCURING DURING NORMAL OPERATION OF THE EQUIPMENT. NOTE THAT LIKELIHOOD EVALUATION IS QUALITATIVE AND BASED ON BEST ESTIMATION VIA CONSULTATION AND EXPERIENCE:

1. **VERY LIKELY**
2. **LIKELY**
3. **UNLIKELY**
4. **VERY UNLIKELY**

"CONSEQUENCE" REFERS TO THE SEVERITY OF INJURY CAUSED DUE TO AN EVENT OCCURING, USING THE FOLLOWING SCALE AS DEFINED BY THE "HAZPAK" DOCUMENT:

1. **FATALITY** = INJURIES RESULT IN DEATH
2. **MAJOR** = NORMALLY IRREVERSIBLE INJURIES
3. **MINOR** = REVERSIBLE INJURIES REQUIRING SEVERAL DAYS OFF
4. **NEGLECTIBLE** = ABLE TO BE TREATED USING FIRST AID

"RISK LEVEL" REFERS TO THE SEVERITY OF A RISK BASED ON THE "LIKELIHOOD LEVEL" AND "INJURY LEVEL". INHERENTLY, AS THE CONSEQUENCE INCREASES IN SEVERITY, RISK INCREASES - EVEN WHEN LIKELIHOOD IS LOW - THE FOLLOWING SCALE HAS BEEN USED:

1. **HIGH** = POTENTIAL DEATH, PERMANENT DISABILITY, OR MAJOR STRUCTURAL DAMAGE.
2. **MEDIUM** = POTENTIAL TEMPORARY, DISABILITY, OR MINOR STRUCTURAL DAMAGE.
3. **LOW** = POTENTIAL INCIDENT THAT HAS THE POTENTIAL TO CAUSE PERSONS TO REQUIRE FIRST AID.