



Compiled/Updated	Approved	Issued Date	Revision
ZB	CD	5-8-25	6

Substation Kits Instructions For Use



- ***This product is to be used by authorised industry trained personnel only.***
- ***The use of this product must adhere to appropriate work practises and or industry standards ensuring compliance to all Workplace Health and Safety Regulations.***
- ***This product may only be installed onto an asset when the asset owner has approved of such installation.***
- ***Failure to follow appropriate work practices and operational instructions or modifications to this equipment can result in product damage and or serious injury.***
- ***These instructions are to be read in conjunction with the Balmoral Engineering terms and conditions published on our website.***

It is recommended that **BALMORAL™** Substation Switchboard kits should be cared for in the following manner:

Storage:

- To prevent premature wear of the Substation Switchboard Kit components should be stored within the provided protective carry bag.

Note: other storage methods may be suitable, however, if these methods have not been approved by Balmoral Engineering, then the customer takes full responsibility for their suitability.

- It is recommended that Substation Switchboard Kits be stored in a clean stable room temperature environment away from sharp objects, sunlight, ozone and steam.
- Kept clear of all oil based products and hydrocarbon derivatives.

Use:

- Prior to the commencement of work, Substation Switchboard Kits should be visually inspected for any defects. Please refer to the section “Periodic Visual Inspection and Care”.
- Should any item be found to have a defect, the Substation Switchboard Kit should be removed from service.
- Any component that becomes soiled or dirty should be cleaned.

Fasteners:

- It is essential that zippers are cleaned regularly to ensure they remain free from debris and/or rust.
- All Velcro, magnetic, stud and eyelets connections should be cleaned regularly of debris to ensure a strong connection.
- While the zipper teeth are made from non-conductive materials, this should not be relied upon. Caution that the zipper slider is conductive.
- Due to the Magnetic force generated by substations, magnetic connections may emit a slight buzzing sound, This has not demonstrated any impact on the functionality of the item.

Periodic Electrical Testing:

- The below testing intervals are drawn from, in part, the directions contained within the applicable standard. It is a guide only and should be used in conjunction with ENA Guidelines, industry standards and acceptable work practices.
- Because each service environment is different, the sole responsibility for ascertaining the necessity or interval required for periodic electrical tests is with the end user. It is recommended that a risk assessment be performed by the end user to ensure the level of inspection and electrical testing is suitable for their particular operating environment.

• Certification	• Class	• Testing Intervals
• AS 4202	• II	• Not Specified
• IEC 61111	• 0	• Not Specified
• IEC 61111	• 1/2/3/4	• 12 Monthly
• IEC 61112	• 2/3/4	• 12 Monthly

Periodic Visual Inspection and Care:

- It is recommended that where it is possible or practical to do so, all Substation Switchboard Kit be periodically inspected, cleaned and then re-inspected. This periodic inspection is recommended to take place every 6 months and should be an adjunct not a replacement for the routine (prior to use) inspection.

To aid visual inspection, the Components should be:

- Cleaned to remove grime and dirt which may otherwise hide potential defects.
- Components removed from the carry bag and placed on a clean table/workbench.
- We recommend cleaning with either a mild detergent or Polywater® Rubber Goods.
- If any component is found to be defective, the Substation Switchboard Kit should be removed from service.
- Each component of the Substation Switchboard Kit should be inspected for defects and relevant expiry dates.
- Defects may take the form of embedded foreign objects, cuts, abrasions, tears, punctures, swelling, pitting, cracking, splitting, rusting or fraying of the material. Drapes are also considered defective if (on dual layer products) there is any sign of one layer showing through the other.

Marking information:

Either of the following figures are marked on each components composed of Black EPDM, Yellow / Blue EPDM and Yellow/Grey PVC. The order will be in the same order but information may vary based on product and component.



Electrical classification	Date of manufacture (MM/YY)	Internal BE lot number	Internal BE Item code
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For more product information please visit our website:
www.balmoralengineering.com



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Kit Components:

Kit Component	Component Description	Image	Kit Item Quantities							
			16002	16003	16004	16005	16006	16007	16009	16010
9007	LV Substation Drape-600x450-Plain-PVC-Y/G-650V		2EA	/	/	/	/	/	/	/
9008	LV Substation Drape-1.2mx900 Plain-PVC-Y/G-650V		2EA	/	/	/	/	/	/	/
9019	LV Substation Drape-600x450-Eye/Mag-PVC-Y/G-650V		1EA	/	/	/	/	/	/	/
10005	LV Substation Drape-600x450-Eye/Mag-PVC-Y/G-650V		/	4EA	4EA	4EA	/	/	6EA	/
10006	LV Substation Drape-1.2x600-Eye/Mag-PVC-Y/G-650V		/	2EA	/	2EA	/	/	/	/
10021	LV Substation Drape-2mx600-Magnets-PVC-Y/G-650V		/	/	2EA	/	/	/	/	/
10025	LV Substation Drape-450x315-Mag/Eye-PVC-Y/G-650V		/	/	/	/	/	/	6EA	/
10029	LV Substation Drape-775x450-Eye/Mag-PVC-Y/G-650V		/	/	/	/	4EA	/	/	/
10030	LV Substation Drape-1.2x775-Eye/Mag-PVC-Y/G-650V		/	/	/	/	2EA	/	/	/
10031	LV Substation Drape-2000x600-Mag-PVC-Clear-650V		/	/	/	/	/	2EA	/	/
10032	LV Substation Drape-900x600-Mag-PVC-Clear-650V		/	/	/	/	/	2EA	/	/
25006	Velcro Strap-1mx50mm-Nylon-Black		1EA	1EA	/	/	1EA	/	2EA	/
26031	Kit Bag-1.1x250x130-Window/Base-Yel-PVC-Zip		1E	1EA	1EA	1EA	1EA	1EA	/	/
26014	Mat Bag-780x135-PVC-Yellow-Zip		/	/	/	/	/	/	1EA	/
26015	Mat Bag-1.1x150-VelcroStrap-PVC-Yellow-Zip		/	/	/	/	/	/	/	1EA
1810	CL0 Grnd Mat 1KV 1mx1mx6mm Blck EPDM		1EA	1EA	/	/	1EA	/	/	1EA
1810-1	CL0 Grnd Mat 1KV 1mx1mx6mm Black EPDM Cut Out		/	/	/	/	/	/	1EA	/
19002	LV Cable End Cover-245x190-PVC-Y/G-650V-Weld/Sewn		/	/	/	/	/	/	6EA	/
19003	LV Cable End Cover-230x110-PVC-Y/G-650V-Weld/Sewn		/	/	/	/	/	/	6EA	/
YS-211-3-5	LV Clamp-220x115x22-Polypropylene-Green		4EA	/	4EA	/	/	2EA	6EA	/