

The Tyree Difference

Australian Made Innovation Since 1946

Developed in response to evolving network requirements, this solution reflects Tyree's commitment to continuous improvement and customer satisfaction

- ✓ Siemens RMU for indoor (bolted unscreened) cable terminations
 - ✓ Ausgrid Approved
 - ✓ Environmentally responsible design, fully internally banded to contain oil spillage
 - ✓ Type Tested for Internal Arc Containment
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- ✓ Supply chain certainty
 - ✓ Australian made – supporting local manufacturing in the N.S.W. highlands
 - ✓ Conforms to Australian safety standards
 - ✓ 50% of company profits support The Tyree Foundation
 - ✓ Local technical support

TYREE K4AU Series

Electrical utility style, medium voltage 'L' type kiosk substations

Manufactured and assembled in NSW, for local sourcing and support ensuring supply continuity



Upgraded with proven
SIEMENS 8DJH RMU for
indoor (bolted unscreened)
cable terminations

Tyree K4AU Series Range

Tyree K4AU Series Range				Nominal Kiosk Dimensions			
Ausgrid Material	Tyree Item	RMU	LV Switchgear	Length (mm)	Width (mm)	Height* (mm)	Weight# (kg)
176837	400K4AU01-C	Siemens 8DJH RRT Automated (2 ring-main feeders, 1 transformer feeder)	3 x 400A Fuse Switches	2710	1475	1620	5245
176839	400K4AU02-C		4 x 400A Fuse Switches	2710	1475	1620	5245
176838	400K4AU03-C		1 x 800A Switch Fuse + 1 x 400A Fuse Switch	2710	1475	1620	5245
176847	600K4AU01-C		3 x 400A Fuse Switches	2710	1475	1620	5980
176848	600K4AU02-C		4 x 400A Fuse Switches	2710	1475	1620	5980
186329	600K4AU03-C		1 x 800A Switch Fuse + 1 x 400A Fuse Switch	2710	1475	1620	5980
176849	600K4AU04-C		1 x 800A Switch Fuse + 2 x 400A Fuse Switch	2710	1475	1620	5980
176863	800K4AU01-C		4 x 400A Fuse Switches	2710	1475	1620	6665
176864	800K4AU02-C		1 x 800A Switch Fuse + 2 x 400A Fuse Switch	2710	1475	1620	6665
179622	800K4AU03-C		1 x 800A Switch Fuse + 3 x 400A Fuse Switch	2710	1475	1620	6665
176865	800K4AU04-C		2 x 800A Switch Fuse + 1 x 400A Fuse Switch	2710	1475	1620	6665
176866	800K4AU05-C		1 x 1200A Switch Fuse + 1 x 400A Fuse Switch	2710	1475	1620	6665
178538	800K4AU06-C		1 x 1200A Switch Fuse + 2 x 400A Fuse Switch	2710	1475	1620	6665
186330	1000K4AU01-C		4 x 400A Fuse Switches	2710	1475	1620	7325
178155	1000K4AU02-C		5 x 400A Fuse Switches	2710	1475	1620	7325
179591	1000K4AU03-C		1 x 800A Switch Fuse + 3 x 400A Fuse Switch	2710	1475	1620	7325
176621	1000K4AU04-C	2 x 800A Switch Fuse + 1 x 400A Fuse Switch	2710	1475	1620	7325	
178281	1000K4AU05-C	1 x 1600A Switch Fuse + 1 x 400A Fuse Switch	2710	1475	1620	7325	
178282	1000K4AU06-C	1 x 1600A Switch Fuse + 2 x 400A Fuse Switch	2710	1475	1620	7325	

*excluding concrete tub #including concrete tub

Reach Out Today

Quality power solutions backed by responsive local customer service.

Scan the QR to learn about the difference →

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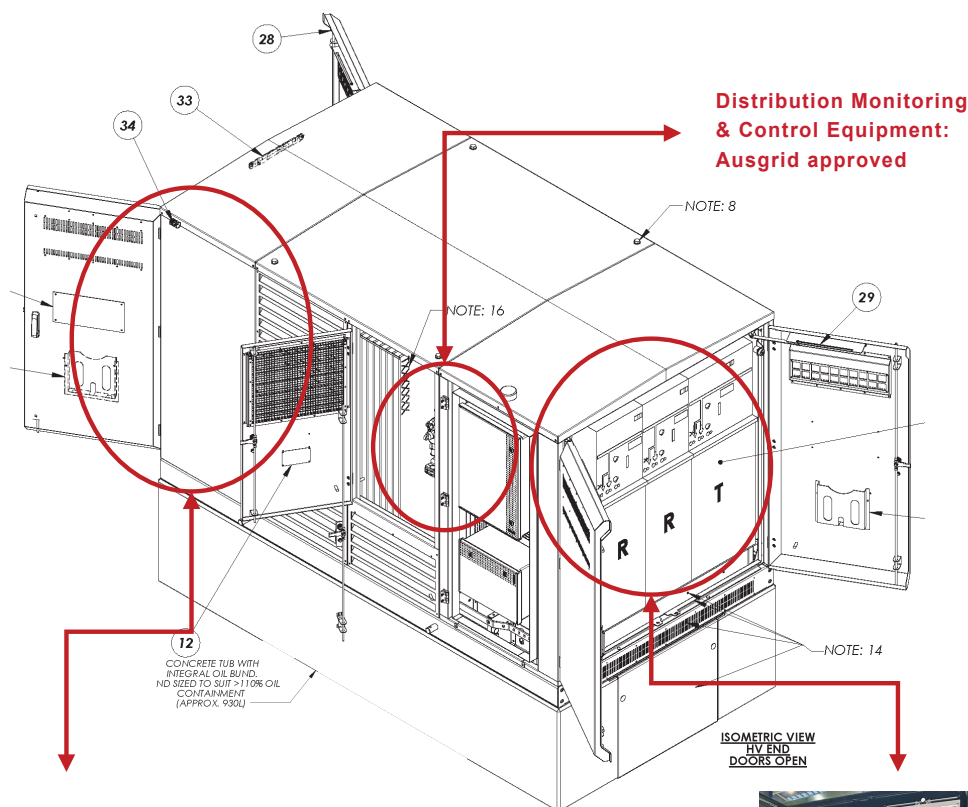
Tyree 'K4AU' 11kV Kiosk Substations

Specification:

- Standard kVA Ratings: 400, 600, 800, 1000
- Voltage Ratio: 11,000/433-250V, Dyn1
- Off-Circuit Tappings: +5% or -7.5% in 2.5% steps
- Cooling: ONAN
- Insulation and Dielectric Level: 12kV – Li 95kV/AC 28kV
- Temperature Rise: 65°C/60°C for 40°C ambient
- TX compartment IP23D; HV & LV compartments IP44

Design and Construction:

- Complies to both AS/NZS2374 and AS/NZS60076
- Low no-load loss and noise level due to modern wound core design and high-grade grain oriented electrical steel
- Type tested design for Internal Arc Containment
- 304 Stainless Steel in G15 Rainforest Green, with approved security features and lift off shell
- Surface protection finish for 25+ years to first



Distribution Monitoring & Control Equipment: Ausgrid approved

Ausgrid approved LV Board:

- TX Disconnector
- Multiple configurations of Switch Fuses and Fuse Switch provisions

Siemens 12kV 8DJH 3-way RMU:

- 630/630/200A R-R-T
- Padlockable local/remote switch
- 350mm modules
- Indoor (bolted unscreened) cable



Simpler Intuitive Installation, Commissioning and Operation

Tyree 'K4AU' series kiosks now come with Siemens 8DJH RRT Ring Main Units (RMUs)

Feature	Benefit
Unscreened termination using M12 bolted cable lugs with boots on R functions	Simpler, faster cable termination
Nominal 660mm height to transformer feeder bushings	Plenty of room for cables to be located and terminated
Cable clamps in HV compartment	Eliminates the need to support the HV cables within the concrete tub
Shallower HV termination compartment	Easier access to the transformer feeder bushing and earth bar

Indoor (Bolted Unscreened) Cable Termination

For details refer to Section 10.17 & Table 16 as per Ausgid NS177 11KV JOINTS (INCLUDING TRANSITION JOINTS) AND TERMINATIONS - POLYMERIC INSULATED CABLES Accessories in Table 16 ARE NOT supplied with the Kiosk.

Item	Description	Qty	Stockcode
1	M12 x 40mm stainless steel set screw	3	45146
	M12 stainless steel flat washer	3	49429
	M12 stainless steel spring washer	3	143859
2	Phase core lugs	3	See Clause 10.5 of NS177
3	Insulating sleeve grommets (kit contains 6 grommets)	1	185501
4	Insulating sleeve (kit contains 3 sleeves)	1	185501
5	Termination kit	1	See Table 2 of NS177
6	Screen wire re-jacketing tubing: For all cables except 185mm ² and 300mm ² single core polymeric cables with 70mm ² Cu wire screen	Cut to length from 40m roll	177751
	For 185mm ² and 300mm ² single core polymeric cables with 70mm ² Cu wire screen	Cut to length from 10m roll	90258
7	Nitrile Rubber Liner	1 Cut to length from 300mm strip	179201
8	Cable clamp for: 185mm ² cables with Cu wire screen less than 70mm ²	3	180291
	185mm ² and 300mm ² cables with 70mm ² Cu wire screen	3	180350
9	M12 x 70mm Stainless steel set screw	6	Blackwoods Part No. 0003 1331
	M12 x Stainless steel flat washer	6	49429
	Spring-loaded nut	6	Unistrut Part No. P4010
10	Screen wire lugs: For all cables except 185mm ² and 300mm ² single core polymeric cables with 70mm ² Cu wire screen	3	177741
	For 185mm ² and 300mm ² single core polymeric cables with 70mm ² Cu wire screen	3	H95851
	Cable glands (+WCSM 48/12)	3	179132 (90274)

