

SF6 Insulated Ring Main Unit Jyoti Ring ™



For Safe & Smooth Switching





Jyoti Ltd is the first switchgear manufacturing company in India. Jyoti Ltd is having a wide experience in electrical products & applications engineering. Jyoti products are well known for engineering excellence, robust design, superior quality & excellent customer support.

Strengths of Jyoti Ltd.

- Huge experience in switchgear manufacturing.
- Strong design & R&D base.
- Modern technology for the design.
- Complete range of medium voltage switchgear products.
- Ultra modern manufacturing facility.
- All important processes are in house.

Jyoti Ltd. made the technical collaboration with M/S Elmecon Ltd for RMU design. As Elmecon is UK based Company, all design principals & standard practices have been considered for international requirements. Long life, safety & Maintenance free product are the key features of the RMU.

Jyoti Ltd has established the most ultra modern manufacturing set-up for RMU. Following are the key facilities.

Air-conditioned Clean room for tank assembly.

- CNC Washing machine for tank cleaning.
- Most sophisticated SF6 gas leak testing equipment.
- DELO equipment for Gas filling.
- Individual mechanism assembly shop.
- Single direction material flow.

The inbuilt process quality control & Fool proof quality assurance system is the main basis of the manufacturing set-up.

SF6 insulated Ring Main Units Jyoti Ring ™

Jyoti offers a 12/15.5kV total solution in distribution network. Jyoti Ring (RMU) can be supplied in various configurations considering customer's requirement. Jyoti Ring also provides full extensibility for present & future expansion.

Jyoti Ring is delivered as a complete sealed unit in 3mm stainless steel tank containing all switching & live parts inside. Constant atmospheric conditions in sealed tank, operation of the RMU ensures safety, reliability & maintenance-free system.

Jyoti Ring is having a common design for indoor & outdoor application without any add-on covers. Jyoti Ring is compitable for remote monitoring & control operations as well.



Testing of the product

The Jyoti Ring has been successfully type tested as per IEC 62271-100/200/102/103 in CESI Italy, which is globally accepted laboratory.

Applications



Lighting & City Distribution



Compact Sub-station

Technical Specifications

	Unit	"L" Module		"V" Module	
		Load Break Switch	Earthing Switch	Vacuum Circuit Breaker	Earthing Switch
Rated Voltage	kV	12/15.5	12/15.5	12/15.5	12/15.5
Power frequency withstand voltage	kV	28/38	28/38	28/38	28/38
Impulse withstand voltage	kV	75	85	75	85
Rated current	Α	630	=	630	(VE
Short time current 3 sec.	kA	21	21	21	21
Making capacity	kA	52.5	52.5	52.5	52.5



Key Features

Compact & robust British design.

Maintenance free product.

Highly Safe.

Less moving parts.

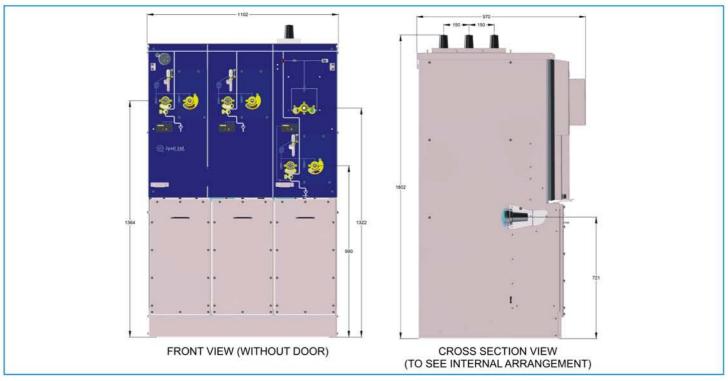
Multiple configurations.

High Flexibility.

Suitable for Indoor & Outdoor

Remote monitoring.

VCB + LBS + LBS (LLV)



Over all dimensions

Standard items.

- 1. Earning switch.
- 2. Gas pressure indicator.
- 3. Non return valve for gas top-up.
- 4. Respective mechanisms.
- 5. Respective mechanical ON/OFF indication.
- Common Handle for operation. 6.
- 7. Lifting lugs.
- 8. Opening coil for VCB.
- 9. Voltage Indicator for each feeder.
- Operation Counter for VCB.
- All safety interlocks.

Optional items.

- Bus bars extension LHS/RHS
- 2. Metering unit.
- 3. Bus bars externals
- 4. Voltage tester.
- 5. Contact for gas pressure low.
- Motorised operation. 6.
- 7. Extra trip coil.
- 8. Close coil.
- 9. Contacts for breaker position 2 NO + 2 NC.
- Contacts for disconnector position 2 NO + 2 NC.
- Contacts for load break switch position 2 NO + 2 NC.
- Contacts for earth switch position 2 NO + 2 NC
- Short circuit indicator.



FOR FURTHER ENQUIRIES **BRANCH**

SWITCHGEAR DIVISION

PLEASE CONTACT

J/44-59, B.I.D.C., Gorwa, Vadodara-390 016 (India) Phone: 2280770 (5 lines) : +91-265-2280153

-2280208

E.Mail: switchgear@jyoti.com Website: http://www.jyoti.com

OFFICES Ahmedabad Bangalore

Chennai

• Indore

· Kolkata

• Mumbai

· New Delhi

406, Akshat Tower, Opp. Raipath Club, Havmor Restaurant Lane, Bodakdev, Ahmedabad-380 054.

Ph.:079-26870980, Fax:079-26871051, Email:ahmedabad@jyoti.com, jyotiahm@gmail.com No. 94, 10th Cross, East Park Road, Malleswaram,, Bangalore-560 020. Telefax: 080-23562248

E-Mail: bangalore@jyoti.com VEE DEE YEM Complex, 1st Floor, 270, Lloyds Road, Royapettah, Chennai 600014, Ph.: 044-28131754,

Fax:044-28133178, E-Mail:chennai@jyoti.com: Office No. 502, 5th Floor, Capt. C.S. Naidu Arcade, Nr. Greater kailash Hospital, Old Palasia, Indore

452 001. Telefax: 0731-2542621, E-mail: indore@jyoti.com, jyotiindore@rediffmail.com
45, Jhowtalla Road, Syed Amir Ali Avenue, Kolkata-700 019, Ph.: 033-22902056, 32487527

45, Jnowtalia Road, Syed Amir Ali Avenue, Roikata-700 019, Ph.: 033-22902056, 32467527 Fax:033-22875267, E-Mail:kolkata@jyoti.com Narsinh Sadan, Flat No. 102, 1st Floor, 1st Road, Golibar, Santacruz (East), Mumbai-400 055. Ph.: 022-26134403 (D), 26122848, Fax: 022-26100717, E-Mail:mumbai@jyoti.com 7, Jantar Mantar Road, New Delhi-110 001. Ph.: 011-23340576, Telefax: 011-23340205,

E-mail:delhi@jyoti.com 244, F. M. City Centre Building, Nalband Associates, Above Dena Bank, Mumbai-Pune Road, Chinchwad, Pune-411 019. Ph.: 020-27472676, Fax: 020-27473077, E-Mail: pune@jyoti.com 5-4-187/7, 1st Floor, Karbala Maidan, M.G.Road, Secunderabad - 500 003. Ph.: 040-27544587(D),

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In keeping with the

the world is making

inthe engineering

field, we introduce

design of our products. Hence, the

products as actually

supplied might have

The word 'Jyoti' and

features varying herefrom.

changes in the

Ltd. Vadodara. 27541608, Fax: 040-27543673, E-Mail: jyotisec@yahoo.com, jyotisec@jyoti.com Bulletin No.: SF6 RMU 1000/01/2013