

# आजे नहिं तो कावे... सप्तर्षि विना नहिं ज चावे...

भारतमां सौप्रथम वर्षो जुनी मुल्ली येलेन्ज...! सींगल डेईज् होय के शी डेईज्, धलेकट्टीकनो मुल्लो वाचर हायमां पकडी लेवानी छुट...! मात्र आपने त्यां रोबोट लगावेल होय तो ज....

Wide Range of Quality, Models & Price From Rs. 750/= to Rs. 10000/= With Conditional Warrantee up to 10 Year

ELECTRONIC ELR+MCB (ROBOT, MCB, ELR + MCB, ELECTRONICAL LAST, WATER LEVEL CONTROLLER, AUTO SWITCH, ELECTRONIC POWER SUPPLIER)

## PREFACE :

Our Group of Company is a first company to introduce Various Branded ELR + MCB (Electric Shockguard) with various facilities, simultaneously giving live demonstration of 5mA leakage current and has achieved a leading position by launching such a revolutionary instrument in the field of electric in India by the consulting Mr. Jayantilal D. Ghonia who is well qualified person ( B. Sc., B. E., D. B. M. & L. L. B ) as well as too senior in the field since 1985. ROBOT is designed with high technology keeping in view welfare of users for the purpose of safety. The company's own R & D department has developed it to prevent fatal accidents and injuries occur from electric shock. The Company's R & D department is constantly giving sophistication touch to product to keep pace with the changing technology and ever expanding necessity of electric power. In this electric age every and each ROBOT is tested in Company's own well equipped Laboratory and satisfactorily being used for years in thousands of homes, Factories and government and semi-government institute, which assures the technology, quality, service and seniority in the market.

## MONEY IS NOTHING BUT LIFE IS EVERYTHING

सावधान...! जीलाडीना टोपनी जेम डिगी नीकरीला नील कपोलीइड तथा नील स्टार्कड बनवटनी दीप वेपारी अमारी पोडकटनी कपोलीडी तथा डिमिंत सावे सरभावी ते जरीवानी सागड करे तो, तेवी पोपट वासीची येल्पो...! करण के नील स्टार्कड पोडकटमां वेचवाणाने वधारे पैसा भणता होय, तेवो पोवला स्वार्थ जातर तमारी जुंइगीनी सलामती सामे जुवलेख जोभममां वधारे करे छ. अमारी पोडकट मात्र अजागव तथा स्टार्कड वेपारीची त्यांज भणवे.

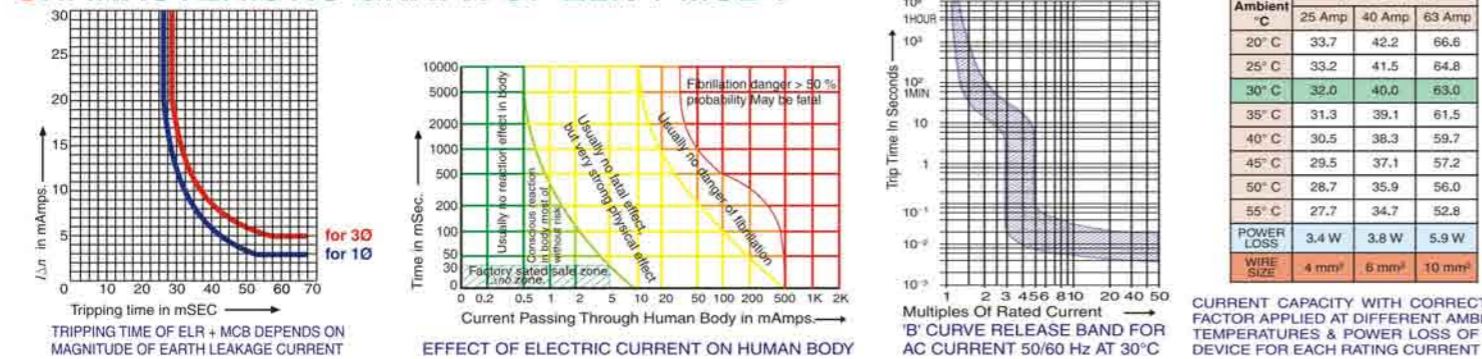
पोपट वासीची येल्पो...

अजागव करीलेले त्यांज भणवे.

## USAGE :

Our Product ELR + MCB can be fitted at anywhere in single phase, three phase + neutral (four wire) to get protection from Electric Shock, Over Load, Short Circuit, Over Voltage, Earth Fault, Electric Power Wastage, Neutral Return, Two Phasing In Single Phase Line, Single Phasing In Three Phase Line, Phase Interchanging in Three Phase Line. After installing ROBOT, the load side electric power which flows out from ROBOT is protected by the system. ROBOT is always fitted next to energy meter and main switch and before distribution board in good ventilation. ROBOT can be installed in residential buildings, banks, hotels, hospitals, laboratories, offices, service station, factories where electric power is used. ROBOT can be installed in wiring made in different sections, or on special machine. Company advise to test the Product frequently in schedule and to avoid Bye Pass mode because of, in case of emergency mode, ROBOT will be stop all protections except than MCB functions only.

## CHARACTERISTIC GRAPH OF ELR + MCB :



## THE FUNCTIONS & FACILITIES OF ELR + MCB :

- (1) Electric Shock
- (2) Short Circuit
- (3) Over Voltage Respect To Neutral
- (4) Over Load
- (5) Power Wastage
- (6) Neutral Return
- (7) Two Phasing
- (8) Single Phasing Prevention
- (9) Phase Interchanging Prevention
- (10) Variable  $\Delta n$  Setting With Color Bar Code
- (11) Multiple  $\Delta n$  Setting With Color Code Indicator
- (12) Self Testing
- (13) ON-OFF Knob Guard
- (14) Built In or External Tripping Lamp
- (15) Without Bye Pass for Better Safety
- (16) Bye Pass For Emergency
- (17) Operates At Least Any Two Line Wire
- (18) Operates At Any 1Ø Line Wire respect to Ground
- (19) Tripping Time Interval Siren
- (20) Heavy Duty Design Without Compititor
- (21) 100Amps Terminal Connector Block
- (22) Line & Load Interchange Protection
- (23) Bye Pass Audio/Video Indicator
- (24) Degree Of Protection = IP20
- (25)  $I_t$  = Class 3
- (26) Wide Operating Voltage
- (27) Corrosion & Shock Proof Cabinet

# रोबोट पसापो... धलेकट्टीक शोकथी जुंइगी भयापो...



Mr. Jayantilal D. Ghonia  
Chairman of SHREE RAM ELECTRONICS (I) P. LTD.  
Since 1987



## SAPTARSHI PROCESS P. LTD.

"Ghonia", Gondal Road, Between S. T. Workshop & Rajkamal Petrol Pump, Rajkot-360 004. Phone : 0281-29 22 1 21 - 22 - 23 - 24 - 25. Mobile : 99 789 28 1 01 - 02 - 03 - 04 - 05 - 06. Fax : +91 + 281 + 23 82 1 21. Web site : www.ghonia.com E-mail: robot@ghonia.com

## PRICE LIST

Price in Rs. Per Nos. These products are only for industrial applications as a parts. Effective Date : 01/04/2007. Due to continuous research and development, the technical specifications, service in warranty period and features are subject to change without prior notice.

### TECHNICAL DETAILS OF ELR + MCB IS FUNCTIONALLY DEPENDENT ON LINE VOLTAGE

- (1) Number Of Pole:- 2 Pole for 1Ø, 4 Pole for 3Ø & 3 Pole for HL
- (2) Rated Voltage (Un):- 220V, 50 Hz for 1Ø & 415V, 50 Hz for 3Ø
- (3) Permissible Ambient Temperature:- -5°C to 45°C
- (4) Limiting Of The Line Voltage:- U<sub>n</sub> = 110V to U<sub>y</sub> = 500V, 50Hz, AC
- (5) Rated Residual current (I<sub>Δn</sub>):- 5mA to 50mA for 1Ø & 7mA to 70mA for 3Ø
- (6) Break Time Of RCBOs:- Less Than 0.03 Second
- (7) Over Volt Cut Off :- 290V, 50Hz, ± 3% Respect to Neutral
- (8) O/V Cut Off Time :- Less Than 0.1 Seconds
- (9) Rated Frequency:- 50 Hz
- (10) Amperage:- 10000 Ampere
- (11) Operational Life:- Greater Than 20000 Operation
- (12) Product Life:- Greater Than 10 Years
- (13) Standard Reference:- Nearest to IS 12640 : Part-II
- (14) Terminal:- Built In 25 mm<sup>2</sup>
- (15) Mounting:- Mobile Surface Mounting (Screw Type)
- (16) Insulation Resistance:- 5M Ohms at 1KV, DC
- (17) Breaking Capacity:- 25Amps, 40Amps & 63 Amps, 'B' Curve
- (18) Dimensions in mm:- D1=250-150W-83H, F1=200-182W-83H
- (19) Rated Current:- 25Amps, 40Amps & 63 Amps, 'B' Curve
- (20) Dimensions in mm:- D1=250-150W-83H, F1=200-182W-83H

WE CAN PROVIDE ELR + MCB AT LEAST WORTH RS. 750/- WITH BETTER QUALITY AND MAXIMUM QUANTITY IN 1Ø. WE ARE ALSO ABLE TO SUPPLY ELR + MCCB WORTH RS. AS PER YOUR CUSTOMISE REQUIREMENT UP TO 10000Amps, 4 Pole for 3Ø Heavy Load

WARRANTY TERMS & CONDITIONS:- OUR PRODUCT IS UNDER WARRANTY TO THE BUYER AS PER MENTION PERIOD IN EFFECTIVE PRICE LIST TO SPECIFIC MODEL AGAINST MANUFACTURING DEFECT IN OUR PRODUCT ONLY. WITHOUT PRODUCT LIABILITIES. DEFECTIVE PARTS OF OUR PRODUCT WILL BE REPAIR OR REPLACED AT OUR OPTION FREE OF CHARGE EX-WORKS, UNDER THE WARRANTY PERIOD AS PER FOLLOWING TERMS & CONDITIONS:-

(1) THE DULY FILLED CARD IN ALL RESPECTS OR RELEVANT CASH MEMO OR MONEY RECEIPT MUST BE PRESERVED AND PRODUCE ALONG WITH THE PRODUCT (2) SERVICE TRANSACTION AND ITS SERVICES ARE FREE OF CHARGE DURING WARRANTY PERIOD AT OUR WORKS (3) OUR PRODUCT IS VALID FROM THE DATE OF OUR INVOICE (4) ONLY THE PARTS OF OUR PRODUCTS AND ITS SERVICES ARE FREE OF CHARGE DURING WARRANTY PERIOD AT OUR WORKS (5) OUR PRODUCT MUST BE INSTALLED AS AN AUTO CONTROL CIRCUIT BREAKER IN IDEAL CONDITIONS CLIMATE AT RATED VOLTAGE AND CURRENT KEEPING IN MINDS OUR ALL TECHNICAL CONFIGURATION, TERMS AND CONDITIONS (6) IN OUR PRODUCT LINE IN PUT & LOAD OUT PUT TERMINAL CONNECTORS ARE NOT UNDER WARRANTY IN CASE OF BURN OUT IF IT MAY BURN WARRANTY WILL BE CANCEL FOR FULLY PRODUCT (7) WARRANTY WILL BE NULL & VOID IF OUR PRODUCT IS DAMAGED BY TEMPERED, OPENED, INSTALLATION IN MOISTURE, INSTALLATION WITHOUT PURE AIR VENTILATION AND IMPROPER USE EXCESS THAN OUR TECHNICAL CONFIGURATION (8) THE COMPANY LIABILITY IS LIMITED TO OUR PRODUCT ONLY AND THE COMPANY SHALL NOT BE LIABLE UNDER THIS WARRANTY IN RESPECT OF ANY TYPES OF LOSS, PERSONAL INJURY OR FATAL DAMAGE TO PROPERTY OR CONSEQUENTIAL DAMAGE ETC... BY UTILISATION OF THE PRODUCTS (9) NEAREST STANDARD IS: 12640/1988 RECOMMENDED THAT ELCB BE NOT CONSIDERED AS A SOLE MEANS OF PROTECTIONS. IT IS ESSENTIAL TO PROVIDE PROPERLY INSULATED. ELCB DOES NOT ELIMINATE THE ELECTRIC SHOCK BUT LIMITS DURATIONS OF PASSAGE OF 50HZ AC ELECTRIC CURRENT THROUGH HUMAN BODY OR OTHER PARTS TO SUCH A SHORT TIME THAT PROBABILITIES OF FATAL EFFECT ARE REDUCED TO MINIMUM (10) IF CUSTOMER CHOSE THE MCBs MAKE IN CHARGEABLE SERVICE, CHARGE WILL BE DEPEND ON THE MAKE OF MCBs. (11) IF PRODUCT MAY TEMPERED, DAMAGED, WITHOUT WATER RESISTANT PROOF APPLICATION, WRONG APPLICATION REGARDING OUR TECHNICAL SPECIFICATION, BURNED DUE TO EXTERNAL FIRE OR CONNECTOR BLOCK FIRE, WARRANTY WILL BE CANCEL & PRODUCT WILL BE TOTAL LOSS (12) ANY REPLACED PART WILL BE NOT RETURN IN CASE OF CHARGEABLE SERVICE EXCEPT THEN DEMANDING OF MCBs ONLY. WITH PRODUCT DELIVERY (13) ONLY REPLACED PARTS ARE UNDER WARRANTY FOR THREE MONTHS ONLY IN CASE OF CHARGEABLE SERVICE EXCEPT THEN MCBs (14) IF CUSTOMER CAN SUPPLY THE DAMAGED PARTS FROM OPEN MARKET, OUR COMPANY CHARGE WILL BE ONLY Rs. 150/- WITHOUT ANY WARRANTY F.O.R. OUR COMPANY (15) MCBs WITHOUT SHUNT, (16) OUR COMPANY PROVIDES BILL FOR REPLACED PART AND PRODUCT'S SERIAL NUMBER RECORD WHICH IS ON PRODUCT FOR WARRANTY AS PER OUR POLICY ONLY CUSTOMER ARE RESPONSIBLE TO PROVIDE RELATED BILL COPY OR RECORD FOR SALES AS WELL AS SERVICE WARRANTY PERIOD (16) IF CUSTOMER ASKS SUPPLY THE PRODUCT FOR REPAIR WITHOUT ANY FAULT, OUR MINIMUM CHARGE WILL BE Rs. 100/- (17) COMPANY PROVIDES SERVICE ONLY EX-WORKS & THROUGH DEALER OR ANY PARTICULAR SUPPLIER (18) CUSTOMER HAVE MUST BE CONFORM HIS FULL NAME, TIN & ADDRESS WITH PHONE NUMBER IN CHALLAN. OTHERWISE COMPANY WILL BE NOT RESPONSIBLE TO RETURN THE PRODUCT (19) CUSTOMER HAVE MUST RECOLLECT THE PRODUCT WITHIN THREE MONTHS, OTHERWISE COMPANY WILL BE NOT RESPONSIBLE TO RETURN THE PRODUCT (20) SERVICE BILL WILL BE IN FAVOUR OF THE DETAILS, WHICH ARE IN SPECIALLY FORMATED FOR SERVICE CHALLAN (21) MODEL CHANGES AND AMPERE CHANGES ARE NOT POSSIBLE BY ANY COST (22) MAXIMUM 10 YEARS OLD PRODUCT ARE REPAIRABLE. THEN AFTER IT IS NOT ADVISABLE OR ACCEPTABLE (23) ONCE YOU SUPPLY THE PRODUCT FOR SERVICE AT OUR COMPANY, YOU ARE AGREE FOR OUR ALL THESE TERMS & CONDITIONS KEEPING IN MIND PREVIOUSLY (24) DUE TO CONTINUES RESEARCH & DEVELOPMENT OR DISCONTINUE OF NECESSARY RELATED PARTS, THERE MAY CHANGE IN EXTERNAL FUNCTION & FEATURES IN SERVICE PRODUCT (25) IF CUSTOMER WANTS SITE SERVICE, TRAVELING & ALL OTHER EXPENSES WILL BE PAY DIRECT TO SERVICE TECHNICIAN (26) IF THERE MAY DEFECT IN MORE THEN ONE PARTS OR SECTION, CHARGE WILL BE SUMMATION OF ALL PARTS WHICH ARE UNDER DIFFERENT SECTION REGARDING LISTED SERVICE CHARGE IN SERVICE CHARGE PRICE LIST (27) SUBJECT TO RAJKOT JURISDICTION ONLY (28) IN SAPTARSHI BRAND, WARRANTY ONLY OF MCB IS 3 YEARS.

Business Terms & Conditions:- (1) Above prices are exclusive of all taxes, packing, forwarding, handling, insurance and all taxes will be charged extra if applicable. (2) Prices and technical specifications are subject to change without prior notice. (3) The above prices and warranty services will be Ex-Works. (4) Please read our all technical literature, warranty terms and conditions, warnings, or ask for any question before your order or purchase. (5) Once ordered will not be canceled. (6) Goods once sold will not be accepted back in any circumstances. (7) Payment 100% against delivery or document through bank, otherwise interest will be charged @24% from the date of invoice. (8) We packs & checks goods carefully for dispatch on purchaser's risk. The purchasers will be file all claims for loss, damages or shortage direct with carrier. We are not responsible, once goods leave our premises. (9) E. & O. E. (10) Other terms and conditions are reserve for manufacturer. (11) Subject to Rajkot Jurisdiction only.

### 1Ø + Ground, 2-Pole, 220V, 50Hz. SAPTARSHI 3Ø+Neutral+Ground, 4-Pole, 415V, 50Hz.

MODEL	25Amp.	40Amp.	63Amp.
<b>DV</b>	5250/-	5500/-	5750/-

**PROTECTION:** Electric Shock, Short Circuit Up to 10KA, Over Voltage, Over Load, Power Wastage, Neutral Return/Two Phasing,  $I_t$  = Class-3, Degree Of Protection=IP20.  
**FEATURE:** Heavy Duty Design, Works At Least Any 1Ø Line Wire Respect to Neutral or Ground, Multiple  $\Delta n$  Setting With Color Code Indicator, Without Bye Pass For Better Safety, Built In Tripping Lamp, Time Interval Siren, Self Testing, Built In 100A Terminal Connector Block, Corrosion & Shock Proof Molding Cabinet, Line & Load Interchange Protection, ON-OFF Guard.  
**WARRANTY:** 5 Years (As per above Warranty Terms & Conditions)

MODEL	25Amp.	40Amp.	63Amp.
<b>FV or FS</b>	8000/-	9000/-	10000/-

**PROTECTION:** Electric Shock, Short Circuit, Over Load, Power Wastage,  $I_t$  = Class-3, Degree of Protection=IP20. (Over Voltage Respect to Neutral, Neutral Return/Two Phasing in Model-FV or Single Phasing, Phase Interchange in FS)  
**FEATURE:** Heavy Duty Design, Works At Least Any Two Line Wire or Any 1Ø Line Wire Respect to Neutral or Ground, Multiple  $\Delta n$  Setting With Color Code Indicator, Without Bye Pass For Better Safety, Built In Tripping Lamp, Time Interval Siren, Self Testing, Built In 100A Terminal Connector Block, Corrosion & Shock Proof Molding Cabinet, Line & Load Interchange Protection, ON-OFF Guard.  
**WARRANTY:** 5 Years (As per above Warranty Terms & Conditions)

### 1Ø, 2-Pole, 220V, 50Hz. ROBOT 3Ø, 4-Pole, 415V, 50Hz.

MODEL	25Amp.	40Amp.	63Amp.
<b>DP</b>	2750/-	3000/-	3250/-

**PROTECTION:** Electric Shock, Short Circuit Up to 10000A, Over Load, Power Wastage, Degree Of Protection = IP 20,  $I_t$  = Class-3.  
**FEATURE:** Time Interval Siren, Working Bye Pass Audio & Video Indicator, Variable  $\Delta n$  Setting, Bye Pass, Self Testing, Built In 100A Terminal Connector Block, Corrosion & Shock Proof Molding Cabinet, Line & Load Interchange Protection, ON-OFF Guard.  
**WARRANTY:** 2.5 Years (As per above Warranty Terms & Conditions)

MODEL	25Amp.	40Amp.	63Amp.
<b>FP</b>	4000/-	4500/-	5000/-

**PROTECTION:** Electric Shock, Short Circuit Up to 10000A, Over Load Power Wastage, Degree Of Protection = IP 20,  $I_t$  = Class-3.  
**FEATURE:** Time Interval Siren, Working Bye Pass Audio & Video Indicator, Variable  $\Delta n$  Setting, Bye Pass, Self Testing, Built In 100A Terminal Connector Block, Corrosion & Shock Proof Molding Cabinet, Line & Load Interchange Protection, ON-OFF Guard.  
**WARRANTY:** 2.5 Years (As per above Warranty Terms & Conditions)

MODEL	25Amp.	40Amp.	63Amp.
<b>DPSV</b>	3500/-	3750/-	4000/-

**PROTECTION:** Electric Shock, Short Circuit Up to 10000A, Over Load, Power Wastage, Over Voltage, Neutral Return, Two Phasing, Degree Of Protection=IP 20,  $I_t$  = Class-3.  
**FEATURE:** Time Interval Siren, Working Bye Pass Audio & Video Indicator, Tripping Lamp, Variable  $\Delta n$  Setting, Bye Pass, Self Testing, Built In 100A Terminal Connector Block, Corrosion & Shock Proof Molding Cabinet, Line & Load Interchange Protection, ON-OFF Guard.  
**WARRANTY:** 2.5 Years (As per above Warranty Terms & Conditions)

MODEL	25Amp.	40Amp.	63Amp.
<b>FPSV</b>	5000/-	5500/-	6000/-

**PROTECTION:** Electric Shock, Short Circuit Up to 10000A, Over Load, Power Wastage, Over Voltage Respect to Neutral, Neutral Return, Two Phasing Respect to Neutral, Degree Of Protection = IP 20,  $I_t$  = Class-3.  
**FEATURE:** Time Interval Siren, Working Bye Pass Audio/Video Indicator, Tripping Lamp, Variable  $\Delta n$  Setting, Bye Pass, Self Testing, Built In 100A Terminal Connector Block, Corrosion/ Shock Proof Molding Cabinet, Line & Load Interchange Protection, ON-OFF Guard.  
**WARRANTY:** 2.5 Years (As per above Warranty Terms & Conditions)

### 1Ø, 2-Pole, 220V, 50Hz. VASUNDHARA 3Ø, 4-Pole, 415V, 50Hz.

MODEL	25Amp.	40Amp.	63Amp.
<b>DPVL</b>	2500/-	2750/-	3000/-

**PROTECTION:** Electric Shock, Short Circuit Up to 10000A, Over Load, Power Wastage, Over Voltage, Neutral Return, Two Phasing, Degree Of Protection=IP 20,  $I_t$  = Class-3.  
**FEATURE:** Time Interval Siren, Working Bye Pass Audio & Video Indicator, Tripping Lamp, Variable  $\Delta n$  Setting, Bye Pass, Self Testing, Built In 100A Terminal Connector Block, Corrosion/ Shock Proof Molding Cabinet, Line & Load Interchange Protection, ON-OFF Guard.  
**WARRANTY:** 1 Years (As per above Warranty Terms & Conditions)

MODEL	25Amp.	40Amp.	63Amp.
<b>FPVL</b>	3500/-	4000/-	4500/-

**PROTECTION:** Electric Shock, Short Circuit Up to 10000A, Over Load, Power Wastage, Over Voltage Respect to Neutral, Neutral Return, Two Phasing Respect to Neutral, Degree Of Protection = IP 20,  $I_t$  = Class-3.  
**FEATURE:** Time Interval Siren, Working Bye Pass Audio/Video Indicator, Tripping Lamp, Variable  $\Delta n$  Setting, Bye Pass, Self Testing, Built In 100A Terminal Connector Block, Corrosion/ Shock Proof Molding Cabinet, Line & Load Interchange Protection, ON-OFF Guard.  
**WARRANTY:** 1 Years (As per above Warranty Terms & Conditions)