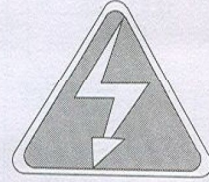
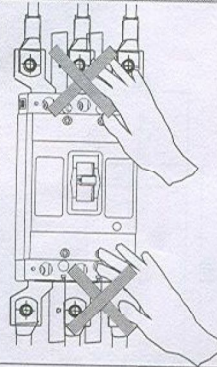
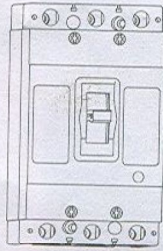




## INSTRUCTIONS FOR INSTALLATION & USE

### MOULDED CASE CIRCUIT BREAKER WITH THERMAL-MAGNETIC RELEASE

FOR YOUR SAFETY, PLEASE READ INSTRUCTIONS THOROUGHLY BEFORE OPERATING. MANUFACTURER ASSUMES NO RESPONSIBILITY FOR A HAZARD OR DAMAGE CAUSED BY INCORRECT OR NON-APPLICATION OF ANY OF THE INSTRUCTIONS ATTACHED HEREIN.



#### WARNING

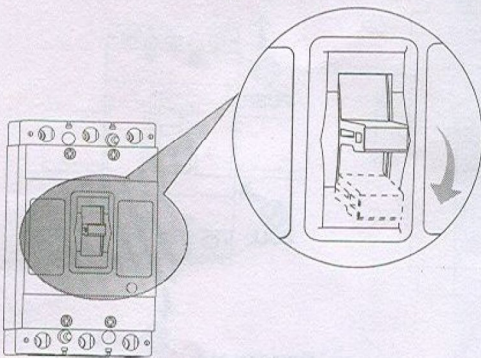
#### ELECTRIC SHOCK HAZARD

Disconnect all power supply from source before installing, modifying or servicing. Failure to follow these instructions may result in property damage, serious injury or death.

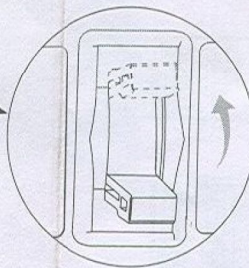
## DU100 MCCB

### TEST

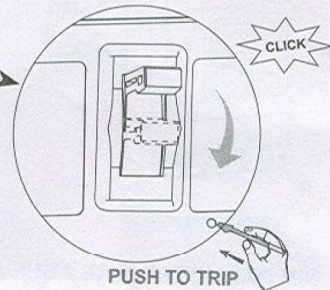
#### 1 RESET THE BREAKER



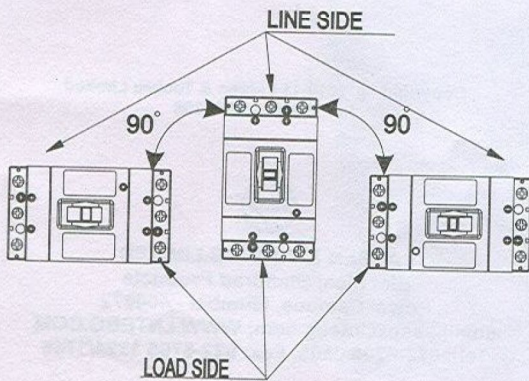
#### 2 SWITCH ON THE BREAKER



#### 3 TRIP THE BREAKER



### MOUNTING ORIENTATIONS



MOUNT IN ANY OF THESE THREE ORIENTATIONS ONLY

### TERMINATION

#### AVAILABLE IN 2 VERSIONS:

- SCREW TERMINAL (FOR CABLE LUG)
- BOX CLAMP

#### TERMINAL CAPACITY

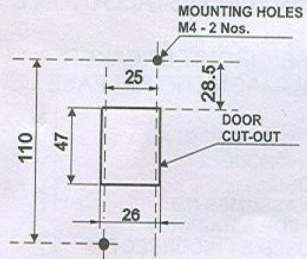
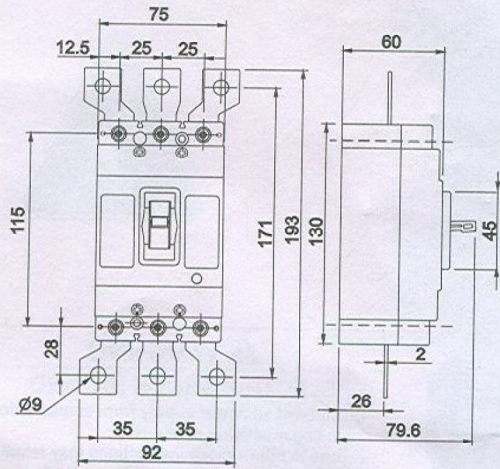
	SCREW TERMINAL	BOX CLAMP (DIRECT)
CABLE	50 sq. mm	35 sq. mm
LINK (WIDTH)	< 17 mm	12 mm

TIGHTENING TORQUE - 3.7 Nm

#### IMPORTANT

SPREADER LINK KIT IS AVAILABLE AS AN ACCESSORY & IT IS RECOMMENDED TO USE SPREADER LINKS FOR 80 & 100A MCCB TO ENHANCE TERMINAL CAPACITY.

## OVERALL DIMENSIONS AND PANEL CUT-OUT

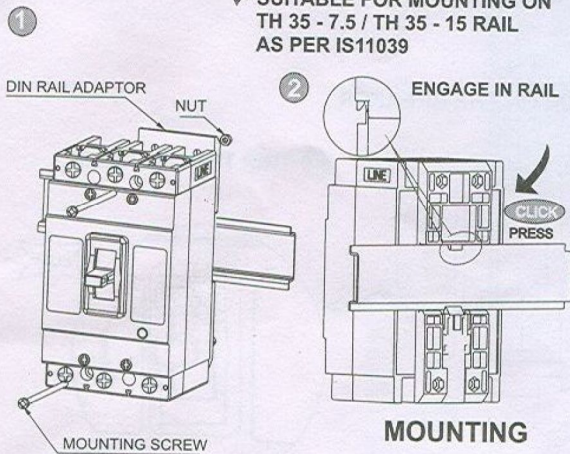


DOOR CUT-OUT DIMENSIONS

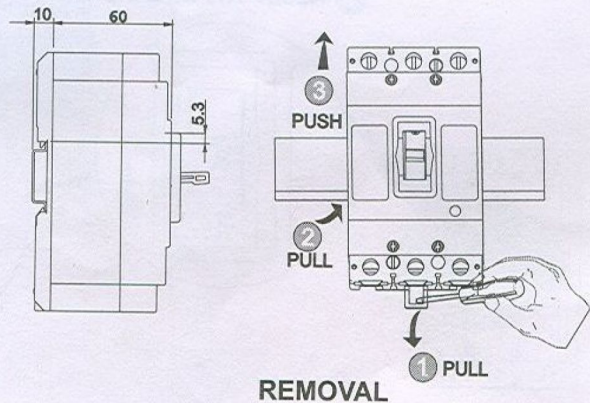
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm.

## DIN RAIL MOUNTING AND REMOVAL

✓ SUITABLE FOR MOUNTING ON  
TH 35 - 7.5 / TH 35 - 15 RAIL  
AS PER IS11039



MOUNTING



REMOVAL

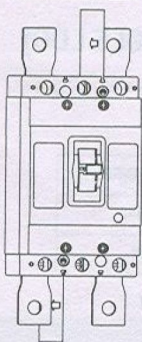
DIN RAIL KIT IS AVAILABLE AS AN ACCESSORY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN mm.

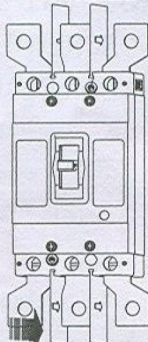
## PHASE BARRIER MOUNTING

### LOAD-LINE BIAS

FOR 2 POLE



FOR 3 POLE



↑  
LINE SIDE

↓  
LOAD SIDE

INSERT PHASE  
BARRIER THIS WAY



**⚠ WARNING**  
PHASE BARRIERS MUST BE MOUNTED ON  
THE BREAKER BEFORE USAGE

Copyright © 2010-11 Larsen & Toubro Limited  
Ref: SDDC - SP03208



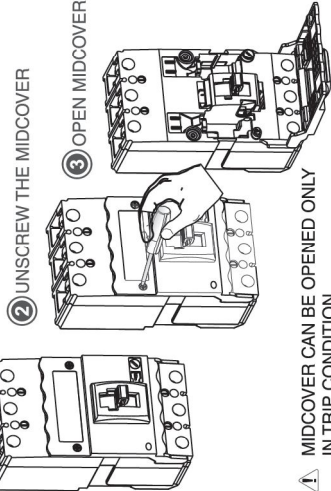
**LARSEN & TOUBRO LIMITED**  
Electrical Standard Products  
Powai Campus, Mumbai - 400072  
email : esp@lntebg.com; WWW.LNTEBG.COM  
Tel.: 022-6705 0505, Fax: 022-6705 1324/1746

UNITY

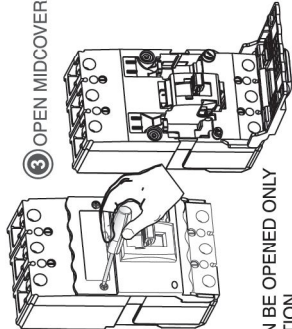


**ACCESSORY MOUNTING**

1 PUT BREAKER IN TRIP POSITION

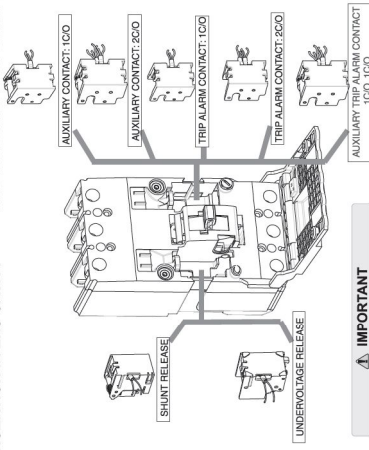


2 UNSCREW THE MIDCOVER



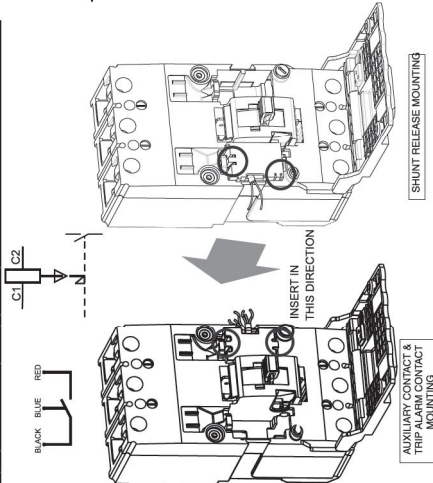
⚠ MIDCOVER CAN BE OPENED ONLY IN TRIP CONDITION

**INSERTION IN LHS CAVITY**



⚠ **IMPORTANT**  
For detailed instructions, refer respective accessory product insert

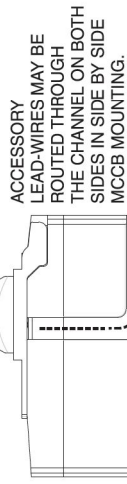
**AUXILIARY CONTACT, TRIP ALARM CONTACT & SHUNT RELEASE MOUNTING**



**WIRE ROUTING**

⚠ NEVER PULL THE LEAD-WIRES WHILE HANDLING OR REMOVAL OF ACCESSORY TO AVOID MALFUNCTION OF ACCESSORY

⚠ LOOSE MID-COVER MAY CAUSE MALFUNCTION OF ACCESSORY. SCREW THE MID-COVER PROPERLY AT BOTH PLACES BEFORE USE (0.7 Nm)

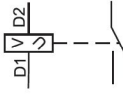
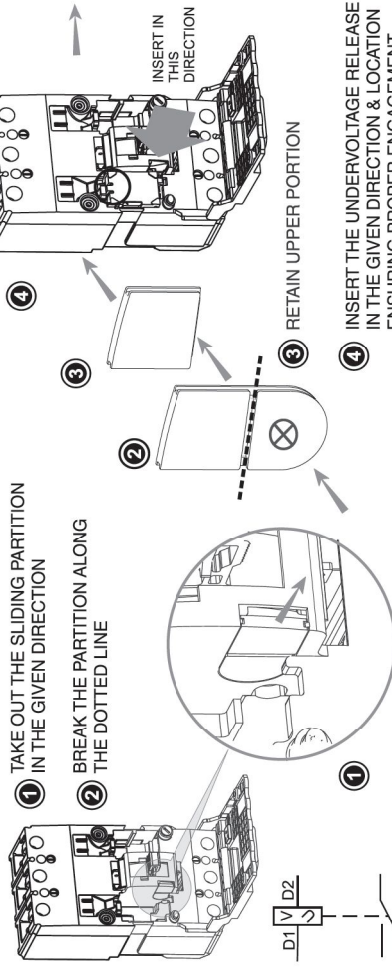


ACCESSORY LEAD-WIRES MAY BE ROUTED THROUGH THE CHANNEL ON BOTH SIDES IN SIDE BY SIDE MCCB MOUNTING.

**UNDervOLTAGE RELEASE MOUNTING**

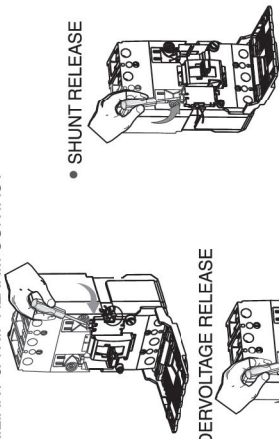
1 TAKE OUT THE SLIDING PARTITION IN THE GIVEN DIRECTION

2 BREAK THE PARTITION ALONG THE DOTTED LINE



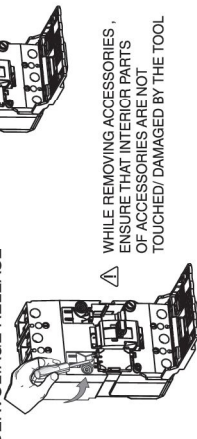
**REMOVAL OF ACCESSORIES**

• AUXILIARY & TRIP ALARM CONTACT



• SHUNT RELEASE

• UNDervOLTAGE RELEASE

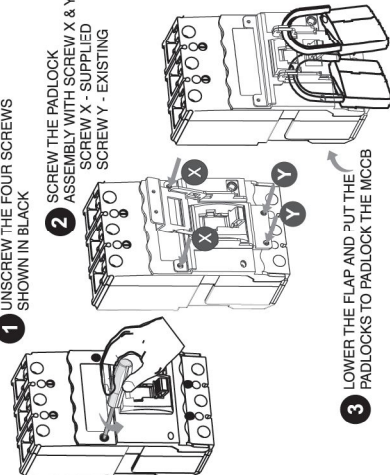


⚠ WHILE REMOVING ACCESSORIES, ENSURE THAT INTERIOR PARTS OF ACCESSORIES ARE NOT TOUCHED/DAMAGED BY THE TOOL

**MCCB PADLOCK**

1 UNSCREW THE FOUR SCREWS SHOWN IN BLACK

2 SCREW THE PADLOCK ASSEMBLY WITH SCREW X & Y SCREW X - SUPPLIED SCREW Y - EXISTING

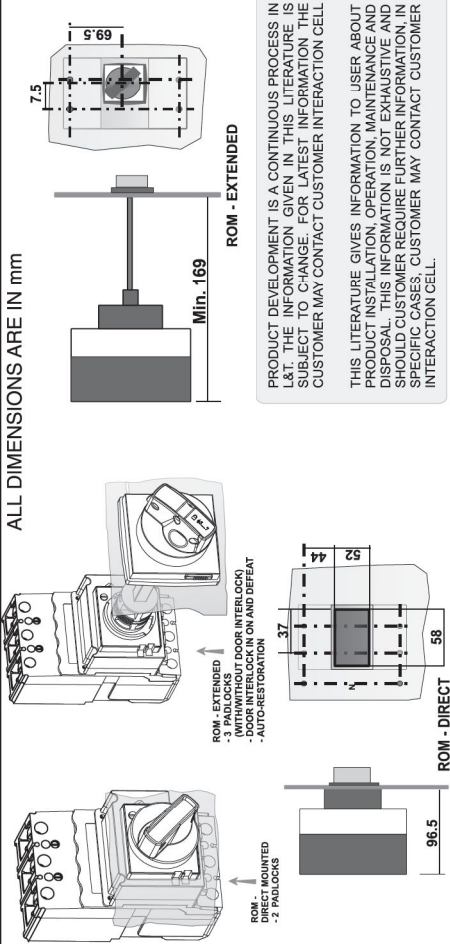


3 LOWER THE FLAP AND PUT THE PADLOCKS TO PADLOCK THE MCCB

✓ PADLOCK IN ON OR OFF STATE POSSIBLE, PADLOCK SIZE 04.....6 mm

**ROTARY OPERATING MECHANISM**

ALL DIMENSIONS ARE IN mm



PRODUCT DEVELOPMENT IS A CONTINUOUS PROCESS IN L&T. THE INFORMATION GIVEN IN THIS LITERATURE IS SUBJECT TO CHANGE. FOR LATEST INFORMATION THE CUSTOMER MAY CONTACT CUSTOMER INTERACTION CELL

THIS LITERATURE GIVES INFORMATION TO USER ABOUT PRODUCT INSTALLATION, OPERATION, MAINTENANCE AND DISPOSAL. THIS INFORMATION IS NOT EXHAUSTIVE AND SHOULD CUSTOMER REQUIRE FURTHER INFORMATION, IN SPECIFIC CASES, CUSTOMER MAY CONTACT CUSTOMER INTERACTION CELL.

**CUSTOMER INTERACTION CELL (CIC)**

TOLL FREE No. : 1800-233-5858  
TOLL FREE No. : 1800-200-5858  
TELEPHONE : 022-6774 5858  
FAX : 022-6774 5859  
E-MAIL : cic@LNTEBG.com  
WEBSITE : www.LNTEBG.com

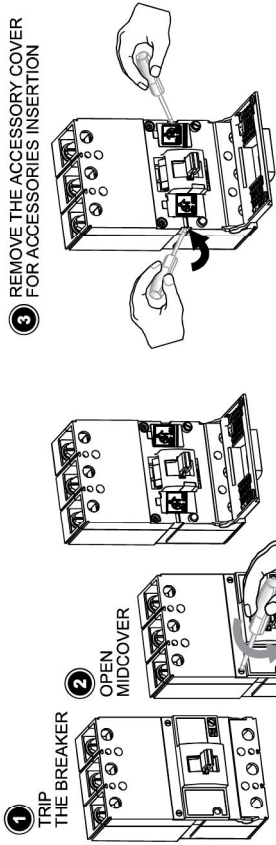
Copyright © 2012  
Larsen & Toubro Limited



**Larsen & Toubro Limited**  
Electrical Standard Products  
P.O.Box - 8901, Mumbai - 400 072, India.



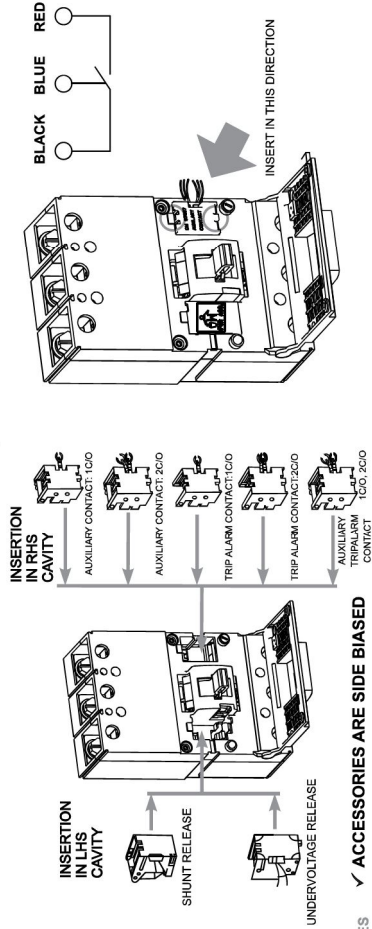
**ACCESSORY MOUNTING**



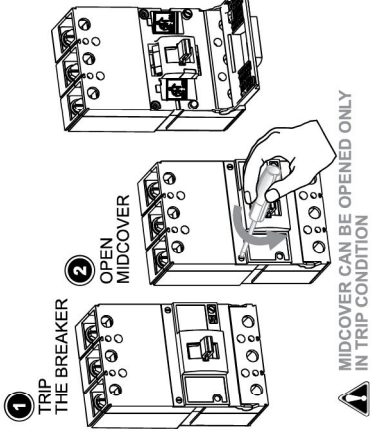
**⚠** MIDCOVER CAN BE OPENED ONLY IN TRIP CONDITION

**⚠** MCCB SHOULD BE IN TRIP CONDITION WHILE MOUNTING OR REMOVING THE ACCESSORIES

**AUXILIARY CONTACT & TRIP ALARM CONTACT MOUNTING**



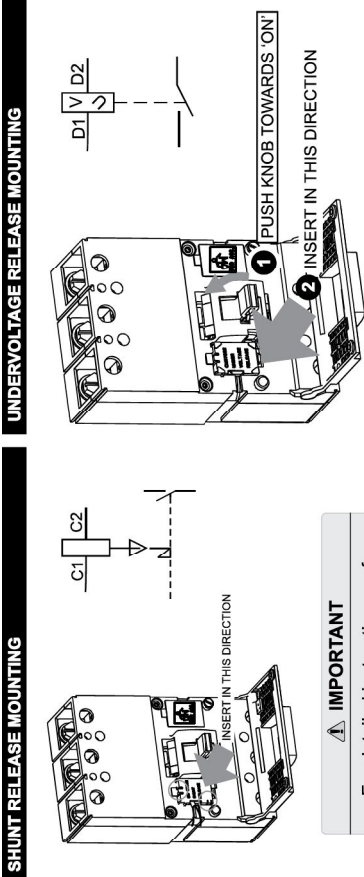
**SHUNT RELEASE MOUNTING**



**⚠** MIDCOVER CAN BE OPENED ONLY IN TRIP CONDITION

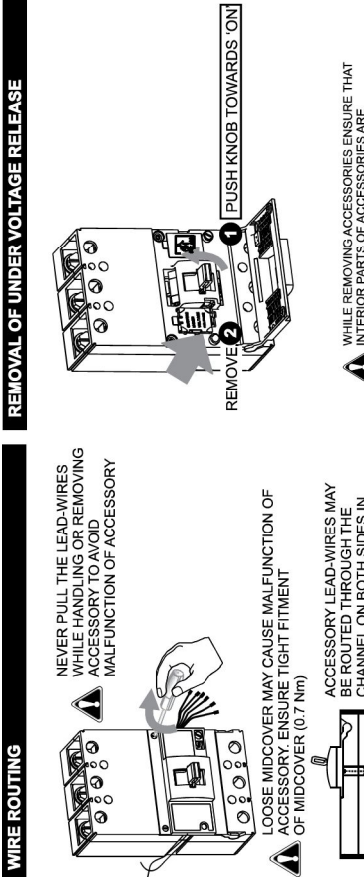
**⚠** MCCB SHOULD BE IN TRIP CONDITION WHILE MOUNTING OR REMOVING THE ACCESSORIES

**UNDERVOLTAGE MOUNTING**

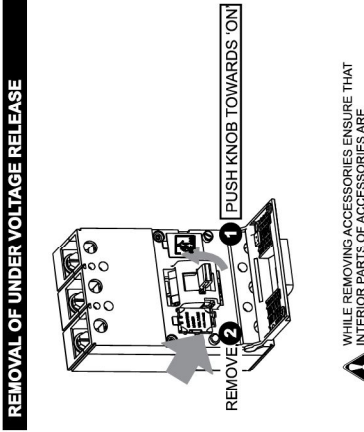


**⚠** MCCB SHOULD BE IN TRIP CONDITION WHILE MOUNTING OR REMOVING THE ACCESSORIES

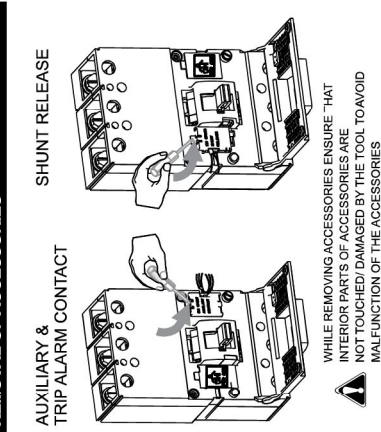
**WIRE ROUTING**



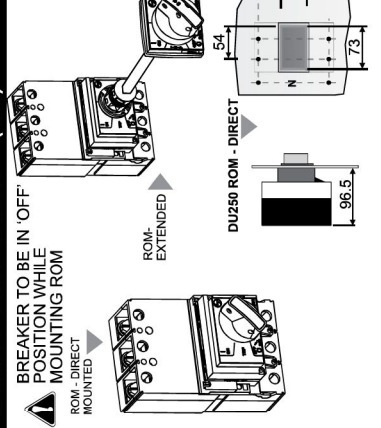
**REMOVAL OF UNDER VOLTAGE RELEASE**



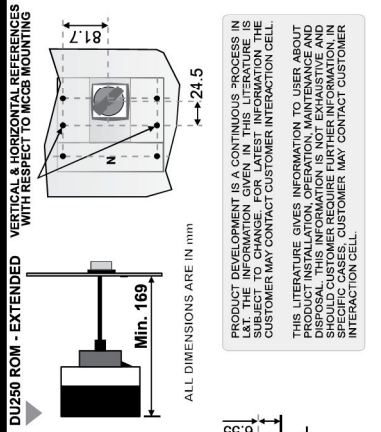
**REMOVAL OF ACCESSORIES**



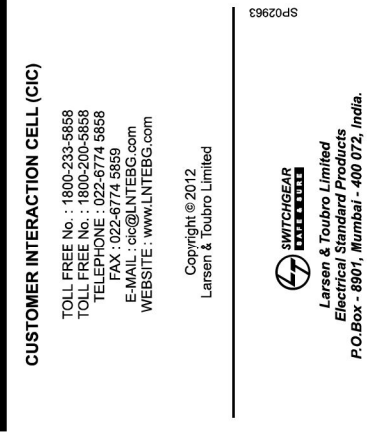
**ROTARY OPERATING MECHANISM (ROM)**



**DU250 ROM - EXTENDED**



**CUSTOMER INTERACTION CELL (CIC)**



PRODUCT DEVELOPMENT IS A CONTINUOUS PROCESS IN L&T. THE INFORMATION GIVEN IN THIS LITERATURE IS SUBJECT TO CHANGE. FOR LATEST INFORMATION THE CUSTOMER MAY CONTACT CUSTOMER INTERACTION CELL.

THIS LITERATURE GIVES INFORMATION TO USER ABOUT PRODUCT INSTALLATION, OPERATION, MAINTENANCE AND SAFETY. CUSTOMER SHOULD BE AWARE OF THE INFORMATION AND SHOULD CUSTOMER REQUIRE FURTHER INFORMATION IN SPECIFIC CASES, CUSTOMER MAY CONTACT CUSTOMER INTERACTION CELL.