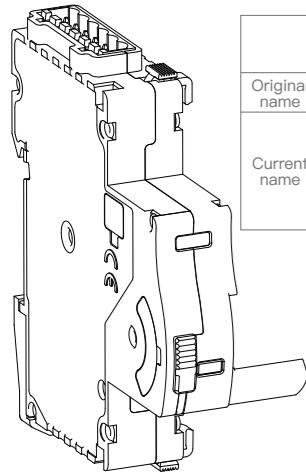
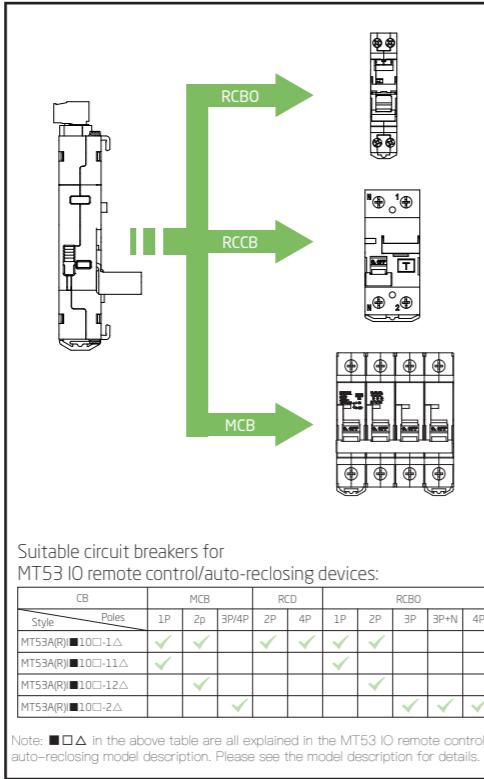


MT53 IO

Remote Control/Auto-reclosing Series Product Manual



	Auto-re-closing Series	Remote Control Series
Original name	MT53AI	MT53RI
Current name	MT53RA MT53RAix	MT53Ri MT53Rix

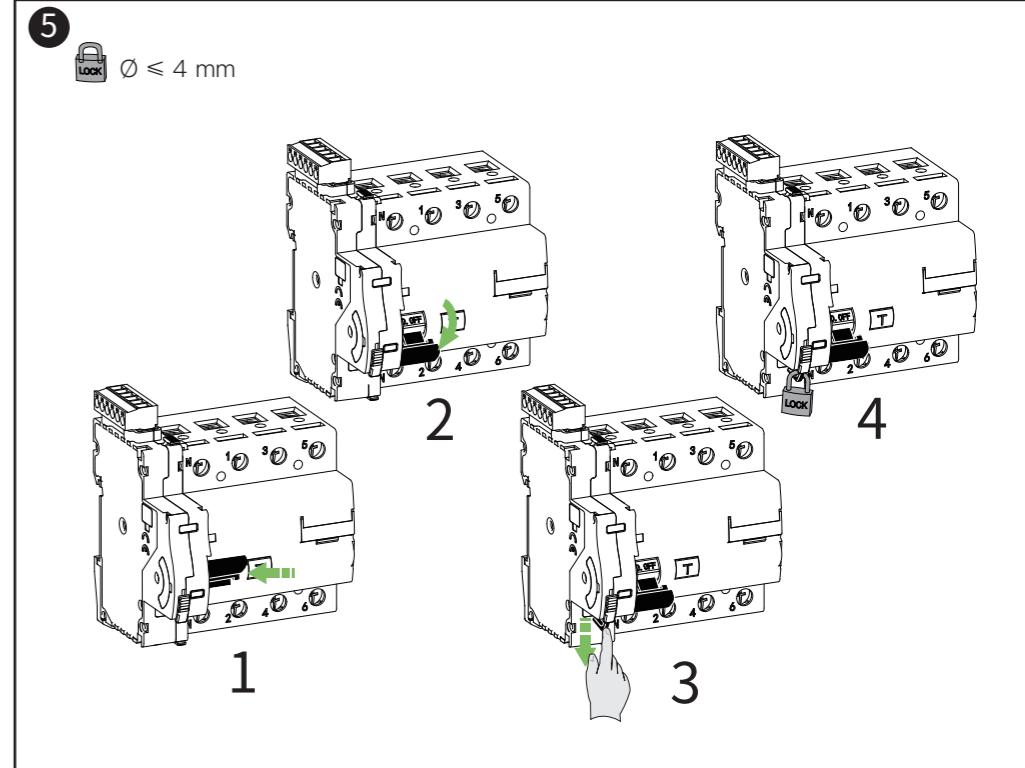
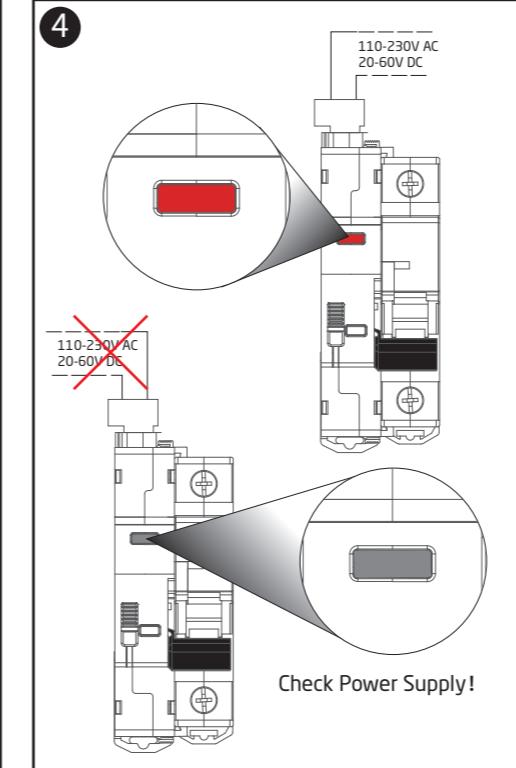
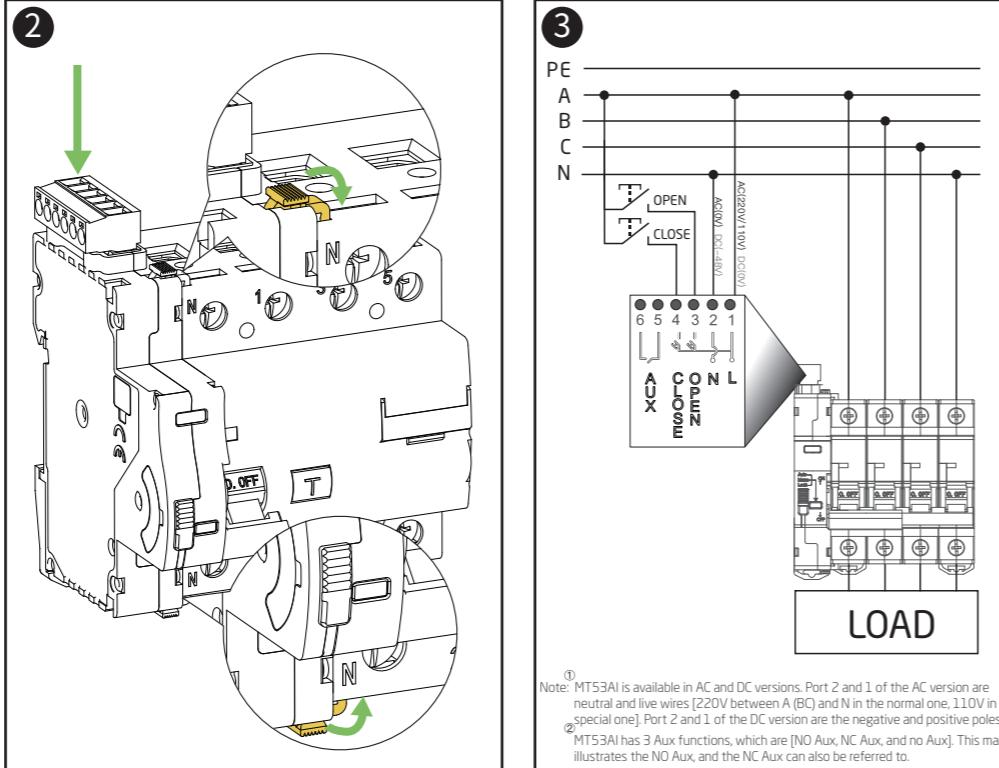
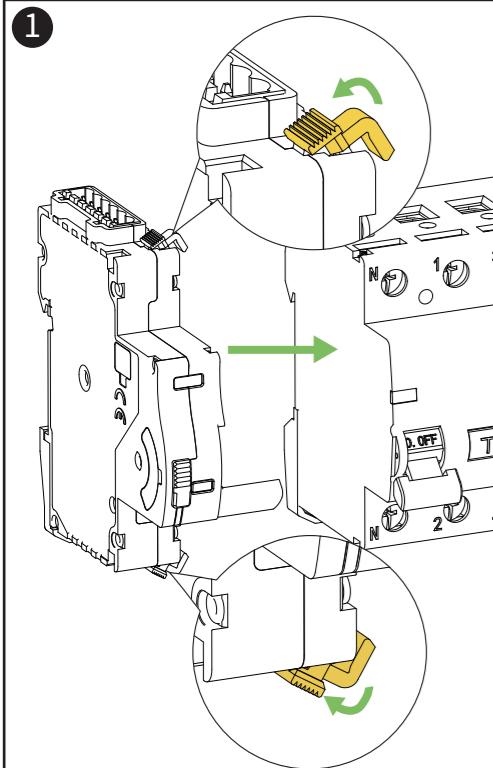


Product Model Description	
For example: MT53AIw10-1N	
<p>M → Company</p> <p>T → Control, automatic reclosing device</p> <p>53 → Design serial number</p> <p>A → A:Auto Reclose R:Remote control</p> <p>I → IO control</p> <p>10 → 01: NC Aux 01: NO Aux None: No Aux</p> <p>N → W:Matis 50 series J:Matis 60 series H:Matis 22 series K:Matis 90 series N:Schneider Acti 9 series MCB/RCBO I:Schneider Acti 9 Series RCD II L:Nader NDB2 MCB/RCCB Z:Chint NB1 MCB C:Chint NL1 RCCB</p> <p>1 → 11:18mm handle only to 1P circuit breaker 12:18mm handle only to 2P circuit breaker 1 :18mm handle to 1P/2P circuit breaker 2 :36mm handle to 3P/4P circuit breaker</p> <p>N → N:AC220V</p>	
Note: ■ □ △ in the above table are all explained in the MT53 IO remote control/auto-reclosing model description. Please see the model description for details.	

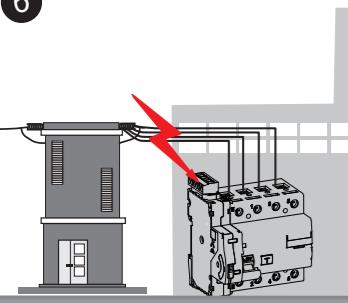
Electrical Characteristics	
Standard	EN 60947-5-1
Power Distribution System	TN-S / TN-C-S / TT
Rated Voltage(Ue)	230V AC (1)
Min Rated Voltage(Min Ue)	85% Ue
Max Rated Voltage(Max Ue)	110% Ue
Rated Insulation Voltage(Ui)	500V
Dielectric Strength	2500V AC for 1 minute
Rated Withstand Voltage(Uimp)	4kV
Over-voltage Category	III
Rated Frequency	50/60Hz
Static Power	1VA
Power of Remote Operation	20VA
Breaking Capacity of Earthleakage (IΔm)	The IΔm of Related Breaker
Rated Residual Short Circuit Current (IΔc)	The IΔc of Related Breaker
Handle Length	1 / 2
MCB Type	1P / 2P / 3P / 4P
RCCB Type	AC / A / B
Rated Current(In)	The In of Related Breaker
Rated Residual Current(IΔn)	The IΔn of Related Breaker
AUX Input	0.4A(max)
Mechanical Characteristics	
The Width of DIN Module	1
Reclosing Time Interval	10s - 60s - 300s
Max Operation Frequency	30open./h
Electrical Life	10000
Max. Auto Reclose Cycle	3
Reclosed Counting Reset Time	60s
Protection Grade	IP20 (Outside Panel) IP40 (Inside Panel)
Terminal Part of Breaker	Soft Cable: ≤ 1x16mm ² Hard Cable: ≤ 1x25mm ²
Enviroment Characteristics	
Pollution Grade	2
Work Temperature	-25°C +60°C
Storage Temperature	-40°C +70°C
Relative Humidity	25°C / RH 95%
Auxiliary Contact Characteristics	
Contact	yes
Contact Type	Electronic Relay
Rated Voltage	5V-230V AC/DC
Rated Current	0.01A (min) - 0.4 (max)
Frequency	50Hz
Use Category	AC12
Operation Mode	NO/NC/COM Signal of Handle Position

Warranty

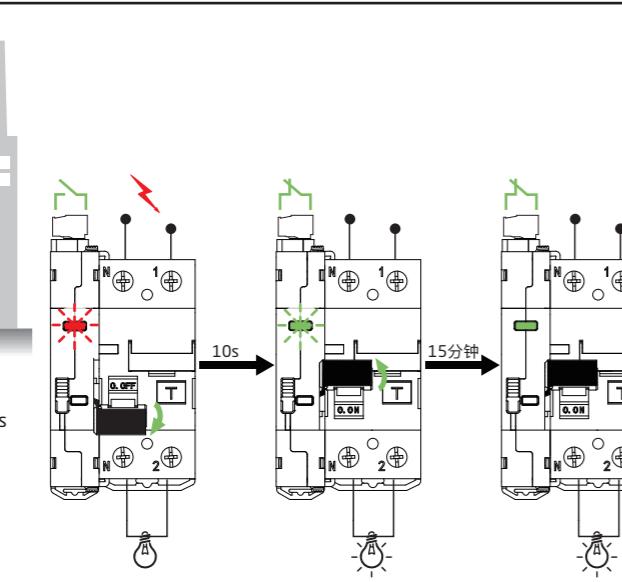
All users who purchase the product enjoy a 24-month warranty period from the date of purchase. During the warranty period, if there is a quality problem which affects normal use, you can enjoy free repair and replacement. In case of irreversible damage caused by improper use, drop, installation and wiring errors, it can be repaired or replaced at a fee within the warranty period. If you disassemble and modify it by yourself, you will not enjoy the warranty service.



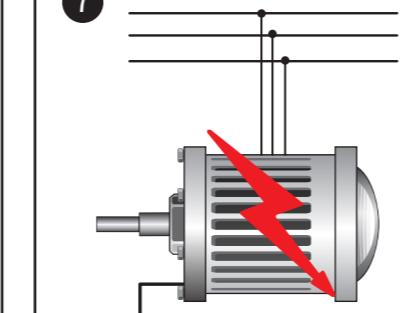
6



- Under "Auto" mode, and for instantaneous electrical fault, our recloser will auto reclose after 10s of breaker trips.
- It is defined as successfully reclosed if handle holds more than 15 minutes. After successfully reclosed, previous reclose counting will be cleared and renewed.

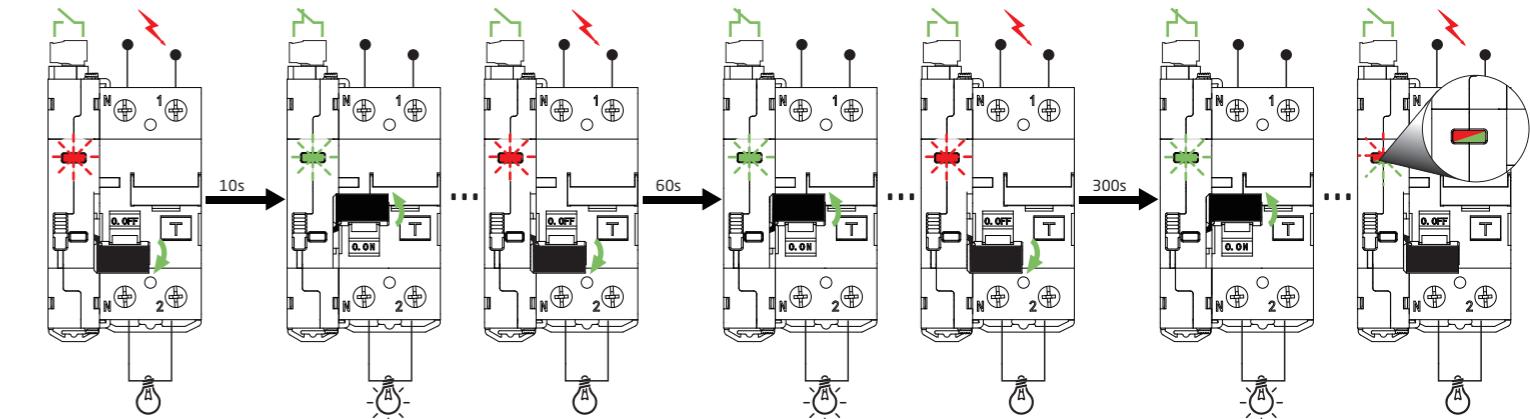


7



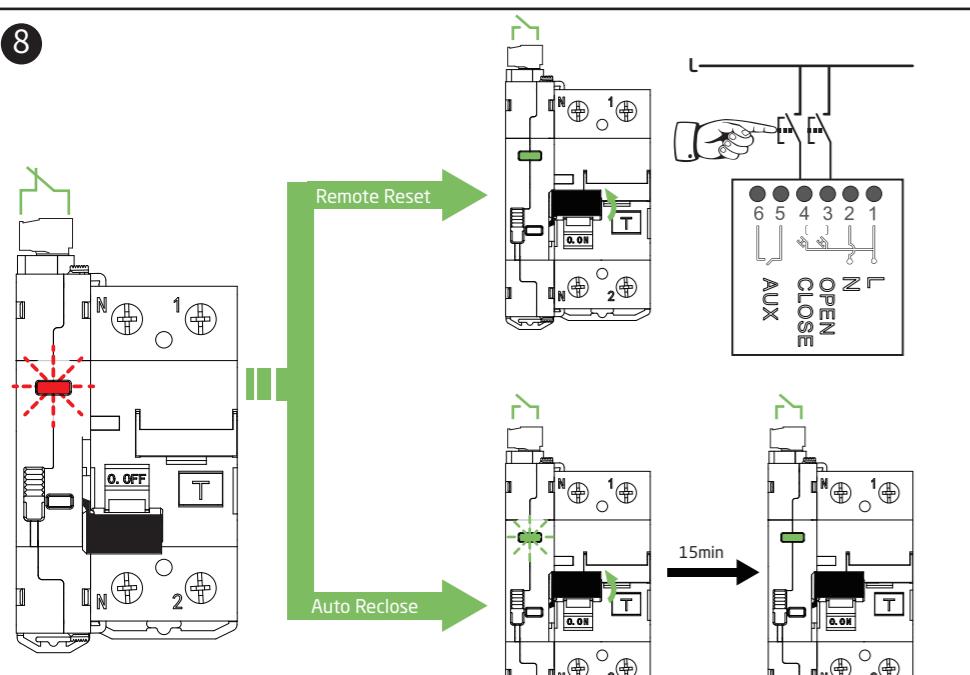
- Under "Auto" mode, and for continuous electrical fault,
- It will auto reclose after 10s time delay, and failed;
- It will auto reclose again after 60s time delay, and failed;
- It will auto reclose again after 300s time delay, and failed;
- It will switch to "Lock" status, and no more auto reclose (Meanwhile, the terminal of remote On/Off functions)

Working Status Indicator	
Closed	Green On
Open under Manual/Open under Auto	Red on
Reclosing after Fault Opening	Red Flashing
Stabilizing after Auto Reclosing	Green Flashing
Reclosing Failed after Three Automatic Reclosing	Red/Green Flashing Alternately
Adjust to Manual Mode	Red On

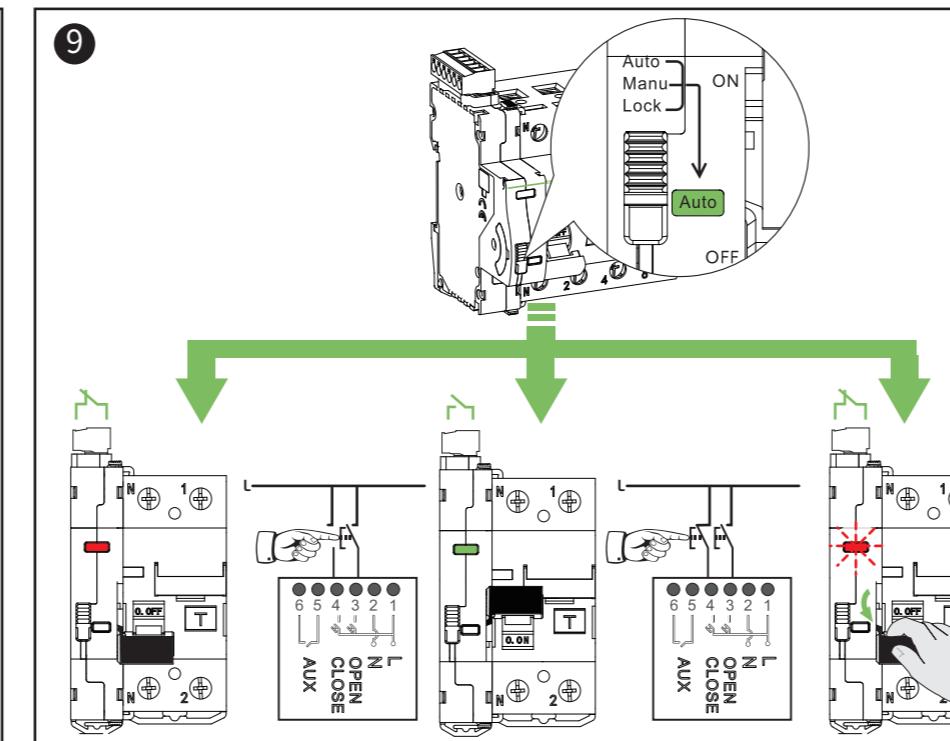


Note: MT53AI series has automatic reclosing function, MT53RI series does not have automatic reclosing function.

8

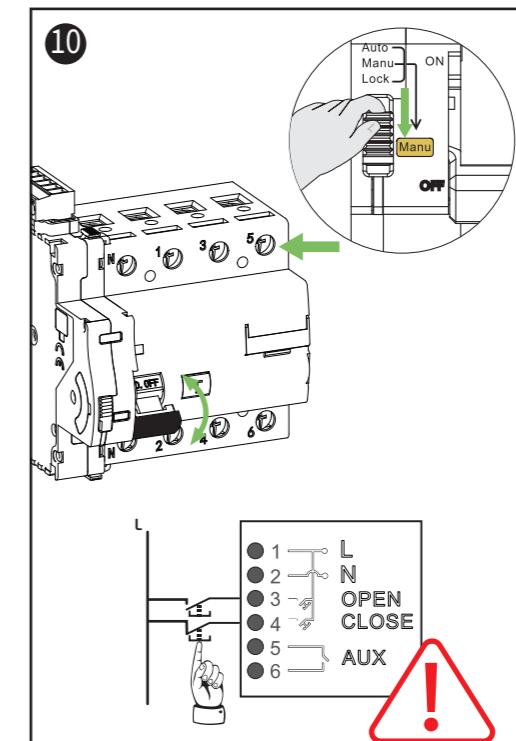


9



Note: It will enter reclose status when recloser is ON position and manually switched off.

10



Note: The dry contact is disabled when "Manu" mode.

