



Remote Control



Tuya APP to Read the Reclosing Status



Reliable and Safe (external attachment, does not affect the main circuit)



Sustainable Power Supply



Timer Setting

## Application Scenarios

Electricity protection and sustainable power consumption



Electrified railway station power supply, transportation power distribution system, and highway electromechanical system



Intelligent mining, factory power consumption, and base station



Environmental monitoring station, remote irrigation, smart greenhouse

## Technical parameter

Electrical Characteristics		
Standard:	EN 50557	
Power Distribution System	TT - TN - S	
Rated Voltage(Ue)	(V)	230 AC (1)
Min Rated Voltage(Min Ue)	(V)	85% Ue
Max Rated Voltage(Max Ue)	(V)	110% Ue
Rated Insulation Voltage(Ui)	(V)	500
Diaelectric Strength	(V)	2500 AC for 1 minute
Rated Withstand Voltage(Uimp)	(kV)	4
Over-voltage Category	III	
Rated Frequency	(Hz)	50
Leakage Making/Breaking Capability (IΔm)	(A)	The IΔm of Related Breaker
Rated Condition Residual Short Circuit Current (IΔc)	(A)	The IΔc of Related Breaker
Poles	2	4
MCB Type	1P - 2P - 3P - 4P	
RCCB Type	AC - A - A[IR] - A[S]	
RCBO Type		
Rated Current(In)	(A)	25 - 40 - 63 - 80 - 100
Rated Residual Current(IΔn)	(mA)	30 - 100 - 300 - 500
Rated Non-operating Resistance Between the Live Part and Ground(Rdo)	8 (30mA) - 2.5 (100/300/500mA)	
Rated Operating Resistance Between the Live Part and Ground(Rd)	(kΩ)	16 (30mA) - 5 (100/300/500mA)
Static Power	(VA)	1
Power of remote control	(VA)	20
Mechanical Characteristics		
The Width of DIN Module	1	1
Reclosing time	(oper./h)	10-60-300
Maximum Mechanical Durability (Total Number of Operations)	10000	
Maximum Number of Continuous Auto-reclosings	3	
Counter Reset Time Number Continuous Auto-reclosings	60	
Circuit Breaker Terminal Section	(mm2)	Soft Cable: ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10 hard wire: ≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10
Circuit Breaker Rated Tightening Torque	(Nm)	3 (IDP) - 2 (IDP NA)
Installation Location	any	
Protection Grade	IP20(outside the cabinet)-IP40 (inside the cabinet)	
Enviroment Characteristics		
Pollution Level	2	
Work Temperature	(°C)	-25 +60
Storage Temperature	(°C)	-40 +70
Relative Humidity	55°C - RH 95%	



## WiFi Remote Control Device MT53AW Series

[www.matismart.com](http://www.matismart.com)

mail:Info@matismart.com

Tel:+86 21 6050 3668,+86 18621879631

Add: Room 318-320, No.83,West Huanhu Road, Pudong, Shanghai, China 201306

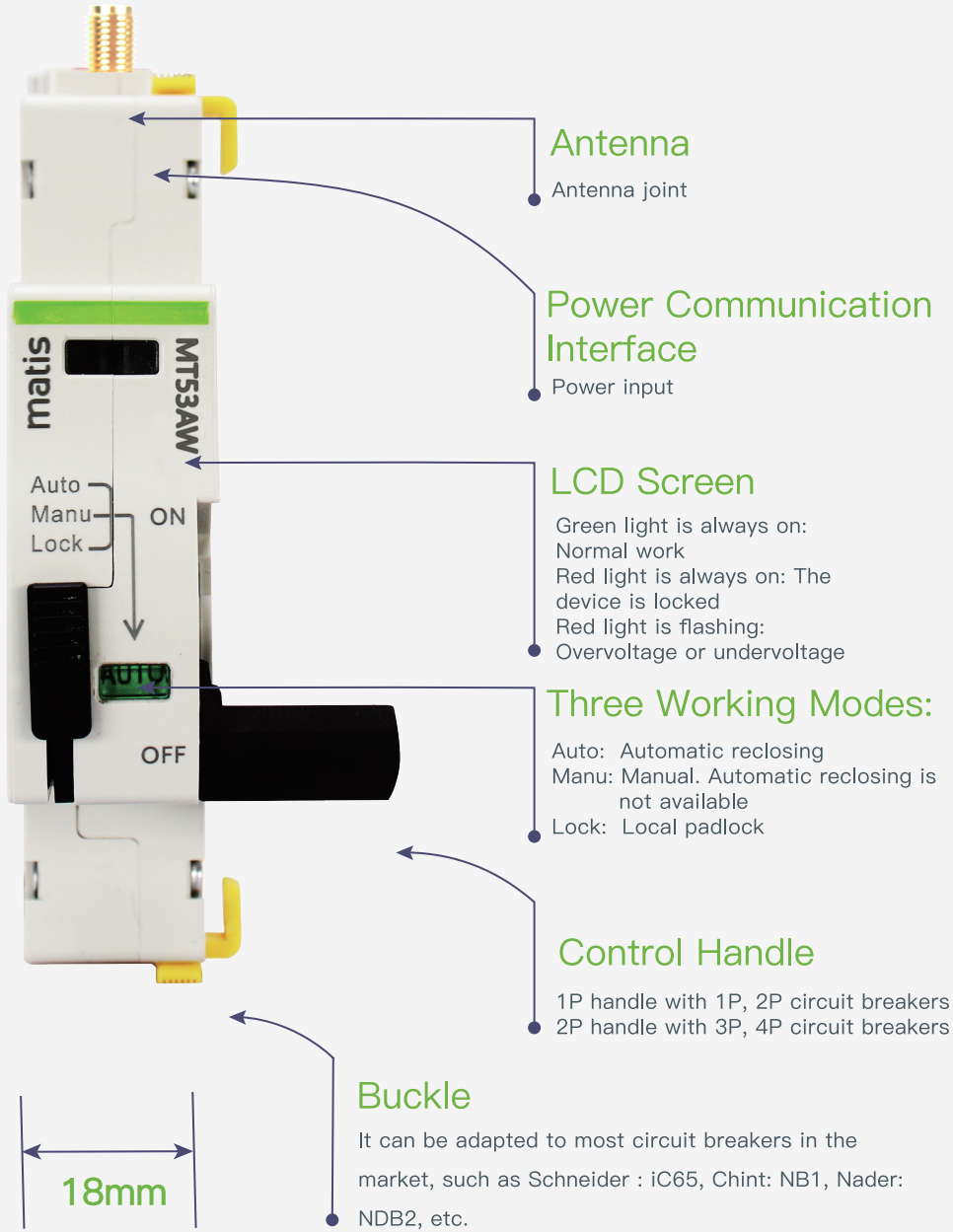
We make electricity safer and smarter!



# WiFi Remote Control Device MT53AW

MT53AW remote control device can realize the following functions:

- The circuit breaker can be opened and closed remotely, and it can be equipped with residual current action protection devices or other electrical devices
- Reset tripped circuit breakers in compliance with current safety regulations
- Local control of the circuit breaker is available with the help of a handle
- Safe operation on site is ensured by padlocking the device

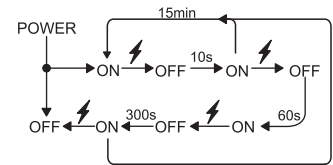


## Two Operations for Option after the Circuit Breaker Trips:

- AUTO mode: Remote reset is permitted
- MANU mode: Remote reset is inhibited

# WiFi Remote Control to Ensure Continuous Power Supply

## Auto-reclosing



MT53AW reclosing logic diagram:

MT53AW can automatically reclosing the tripped circuit breaker after the line returns to normal.

## WIFI Control

MT53AW is in Auto mode, and the device is connected to the power supply. You can connect the device to WIFI and use the [Tuya] APP WIFI Controlfor remote control to control the opening and closing of the device.



Opening



Closing



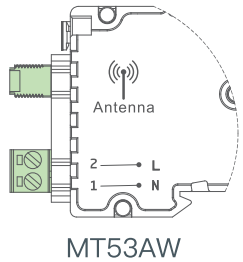
## More Flexibility to Match

It can be adapted to 1P, 2P, 3P, and 4P circuit breakers.

## Device Adaptation

Circuit Breaker Models	MCB			RCD		RCBO				
	1P	2P	3P/4P	2P	4P	1P	2P	3P	3P+N	4P
MT53AW-1N	✓	✓		✓		✓	✓			
MT53AW-2N			✓		✓			✓	✓	✓

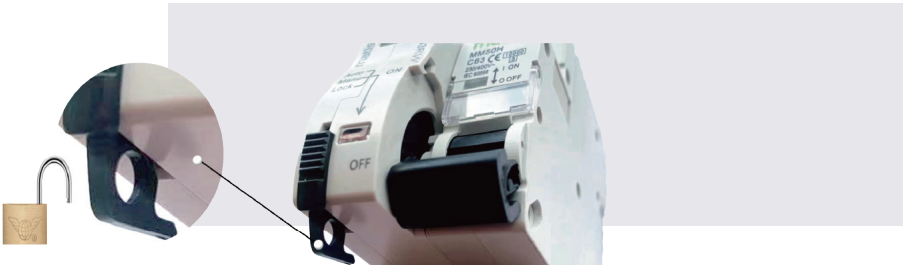
## Terminal Diagram



Terminal	Description
L	Live line L
N	Neutral line N
Antenna	Wifi installation point

## Local Padlock

Safety locking. MT53AW series has a mechanical pad-lock mechanism. Adjust the working mode to padlock mode to realize local locking to ensure that the operator can access the maintenance work in a safe status.



## Dimensional Drawing

