

# NF11/NF12 SERIES MANUAL

The NF11 series are non-contact voltage tester, and NF12 series advance NF11 series with magnetic field detection (the Tester). It is suitable for detecting live voltages in the testing object, tracing cables with live voltage in fast and convenient ways.

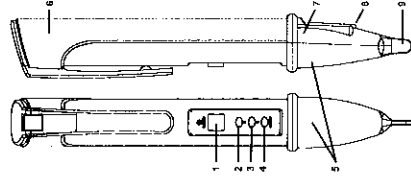
## READ BEFORE USE – SAFETY INFORMATION

To avoid possible electric shock or person injury:

- If the Tester is used in a manner not specified by the manufacturer, protection provided by the Tester may be affected.
- Do not use if it is wet.
- Do not use if Tester appears damaged or if the Tester is not operating properly. If in doubt, have the Tester serviced.
- Do not get more than the rated voltage as marked on the Tester.
- Use caution with voltages above 30 Vac as a shock hazard may exist.
- Comply with local and national safety requirements.
- Use proper protective tester as required by local or national authorities.
- Before each use, verify operation by testing a known working circuit that is within the rating of this tester.

## STRUCTURE

- 1) Power/Mode Button
- 2) Auxiliary Indicator (NF11C/F) or South Pole Indicator (NF12A) or South Pole/Auxiliary Indicator (NF12D)
- 3) North Pole Indicator (NF12A/D)
- 4) Power/Mode Indicator
- 5) Magnetic Field Testing Area (NF12A/D)
- 6) Battery Door
- 7) Voltage Detection Indicator
- 8) Flashlight (NF11B/F and NF12D)
- 9) Voltage Testing Tip (The Tip)



## OPERATING INSTRUCTIONS

- Press Power/Mode button once to switch on the Tester and the Power/Mode indicator flashes for 2 seconds.
- The Tester enters Mode 1 as shown in the following table of respective model. Press the button once to switch between modes of test.
- Switch to desired mode. Put the Tip onto the object to be tested. Different indications shown in the following table happens if the voltage is detected.
- Hold the button down for 4 seconds to switch off the Tester.

Note (NF11B/F) :

To work in dark, hold down the button for 2 seconds. The flashlight will switch on. Hold down for another 2 seconds will switch off the flashlight.

Mode	Standby Indication	Positive Result (Live Voltage) Indication
<b>NF11A</b>		
1	Mode indicator flashes	Voltage Detection indicator flashes
<b>NF11B</b>		
1	Mode indicator flashes	Voltage Detection indicator flashes and buzzer beeps
<b>NF11C</b>		
1	Mode indicator flashes	Voltage Detection indicator flashes
2	Mode indicator flashes rapidly	Voltage Detection indicator flashes and buzzer beeps
<b>NF11F</b>		
1	Mode indicator flashes	Voltage Detection indicator flashes
2	Mode indicator and Auxiliary indicator (AUX) flashes	Voltage Detection indicator flashes and the Tester vibrates
3	Mode indicator flashes and Auxiliary indicator (AUX) is on	Voltage Detection indicator flashes, the Tester vibrates and the buzzer beeps





#### NF12A/D

- Press Power/Mode button once to switch on the Tester and all indicators flashes for 2 seconds.
- The Tester enters Mode 1 of voltage testing mode (V1) as shown in the following table of the respective model. Press the button once to switch between modes of test.
- For voltage testing modes, put the Tip onto the object to be tested; or
- For testing magnetic field testing mode, put the Magnetic Field Testing Area onto the object to be tested.
- Different indications shown in the following table happens if positive result is detected.
- Hold the button down for 4 seconds to switch off the Tester.

#### Note (NF12D) :

To work in dark, hold down the button for 2 seconds. The flashlight will switch on. Hold down for another 2 seconds will switch off the flashlight.

Mode	Standby Indication	Positive Result Indication
<b>NF12A</b>		
V1	Mode indicator flashes	Voltage Detection indicator flashes if live voltage is detected;
M1	Mode indicator is on	North Pole indicator (N) switches on if magnetic field is detected and north pole is near Magnetic Field Testing Area South Pole indicator (S) switches on if magnetic field is detected and south pole is near Magnetic Field Testing Area
<b>NF12D</b>		
V1	Mode indicator flashes	Voltage Detection indicator flashes
V2	Mode and Auxiliary indicator (AUX) flashes	Voltage Detection indicator flashes and the Tester vibrates
V3	Mode indicator flashes and Auxiliary indicator (AUX) is on	Voltage Detection indicator flashes, the Tester vibrates and the buzzer beeps
M1	Mode indicator is on	North Pole indicator (N) switches on if magnetic field is detected and north pole is near Magnetic Field Testing Area South Pole indicator (S) switches on if magnetic field is detected and south pole is near Magnetic Field Testing Area

Remark: Prefix V represents Voltage Testing Mode. Prefix M represents Magnetic Testing Mode

#### LOW BATTERY INDICATOR (NF11B/C/F & NF12A/D)

When the Tester has the indications of the following table of the respective model, it means the battery power is not enough. It is recommended to change battery immediately.

Model	Indication
NF11B	Mode/Power indicator keeps switching on
NF11C	Mode/Power indicator keeps switching on
NF11F	Mode/Power and Auxiliary indicator keep switching on
NF12A	Mode/Power, South Pole and North Pole indicator keep switching on
NF12D	Mode/Power, South Pole and North Pole indicator keep switching on

#### MAINTENANCE

##### Replacing the battery

- Turn off the Tester before opening the battery door;
- Replace the battery as soon as the low battery indicator (as mentioned in topic Low Battery Indicator) appears to avoid false indication.
- The figure on the right shows how to open the battery door. Push to release the lock (1) and pull out battery door from body.

##### Cleaning

Wipe the case with a damp cloth and mild detergent. Do not use abrasives or solvents.

##### ⚠ CAUTION

To avoid damaging the equipment, NEVER submerge them in water. DO NOT use abrasive cleaners, they will damage the case.

