

Togami

Super LINE CHECKER

Type:TLC-C-Y1



**Circuit breaker or route detection can be carried out
on the live lines by a single operator!**

Togami Electric Mfg.Co.,Ltd.

Catalog No C0251
2016 January

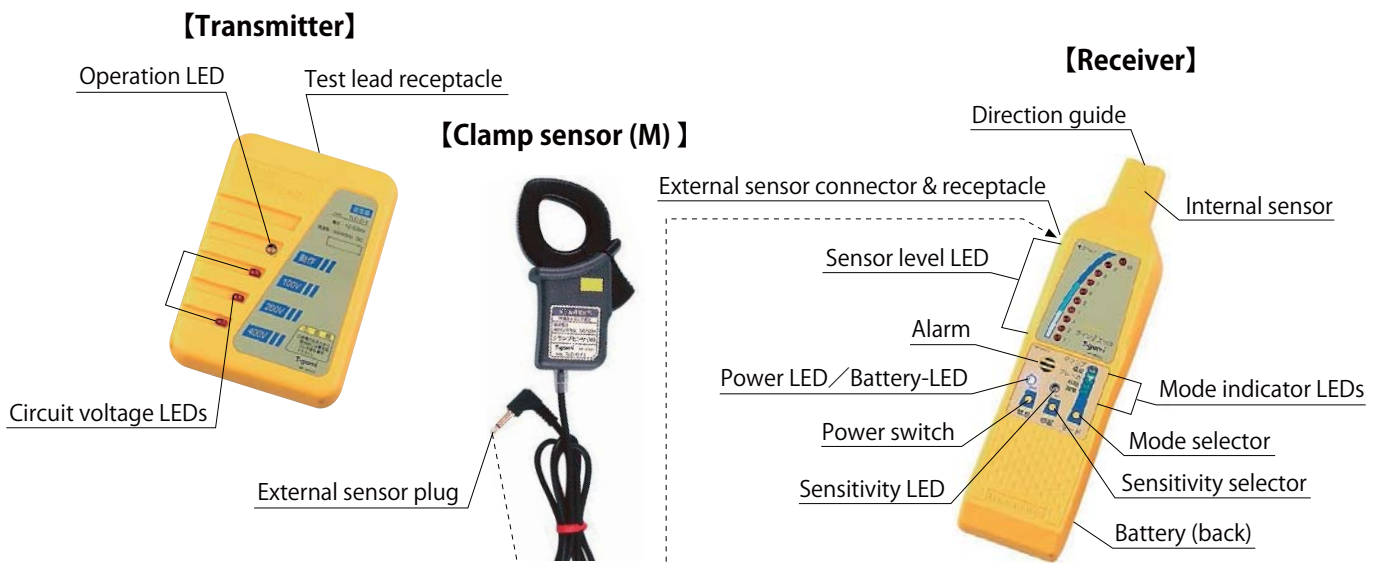
Super Line Checker is suitable for wiring check prior to installation and repair work and at maintenance and failure occurred.

Features

- ◆Earth leakage point detection
- ◆Breaker and route detection either live or de-energized wires
- ◆Circuit voltage indication
- ◆Easy judgment by sound and LED lights
- ◆More accurate detection by using clamp sensor
- ◆Prevent signal leak to the line you are not detecting



Part names



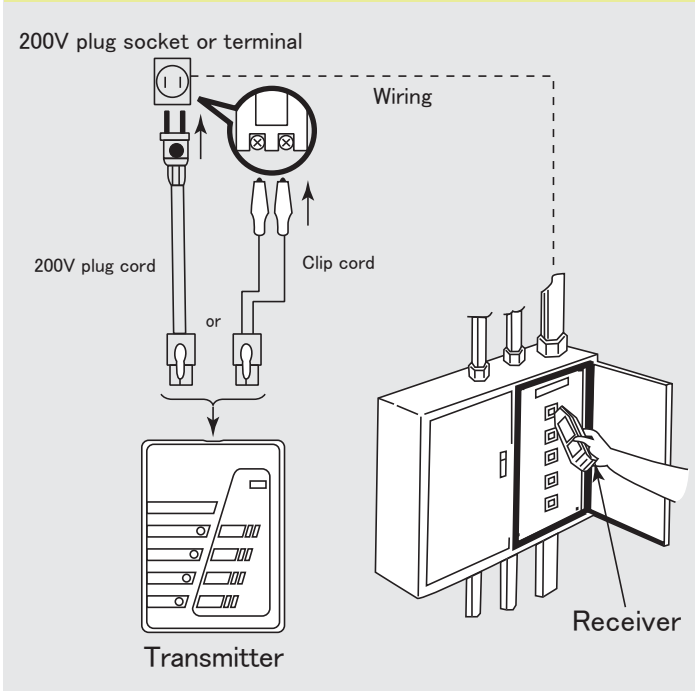
Contents of standard set



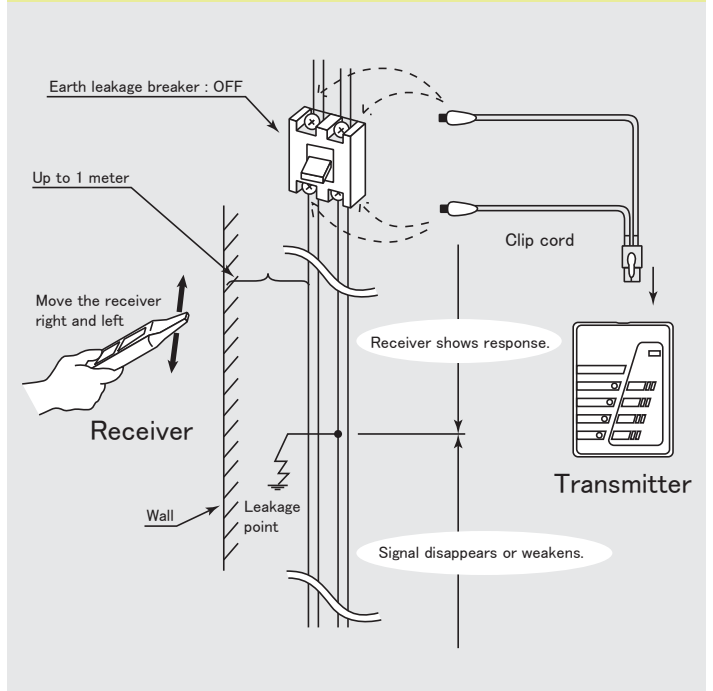
- Transmitter× 1
- Receiver× 1
- Clamp sensor (M) × 1
- Cord with 200V plug× 1
- Clip cord× 1
- Cord with battery clip× 1
- 9V manganese battery× 1
- Carrying case× 1
- Instruction manual× 1

Usage

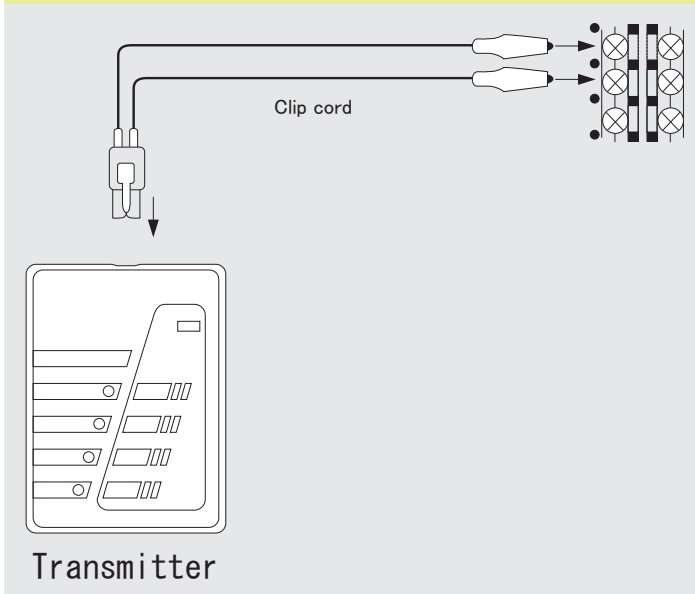
1. Energized breaker detection



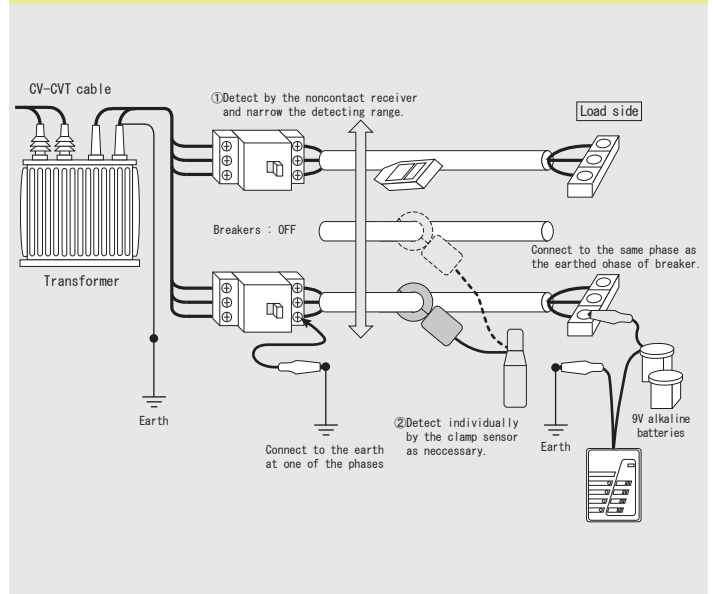
2. Earth leakage point detection (De-energized)



3. Circuit voltage check



4. De-energized cable detection



Options



Signal leakage prevention unit
(SBU-A-5K)



Clamp sensor (S)
(inner dia. ϕ 8)
(TLC-C-F3)



Clamp sensor (L)
(inner dia. ϕ 40)
(TLC-C-F2)



Clamp sensor (LL)
(inner dia. ϕ 68)
(TLC-C-F7)

Specifications

Receiver (Type : TLC-C-R)

Detection theory	Detection the magnetic field generated by the signal current
Detection frequency	5kHz
Built-in sensor	2 coil sensors (coils for wire detection and breaker detection)
External sensor	Clamp sensor (plug connecting type)
Judgment criterion	10 LEDs (red) blink (receiving level indication) and alarm sound
Sensitivity selection	5 mode selection (Clamp, Wire, Breaker, Route, and E.Leakage) and Low/High sensitivity selection (common to each mode)
Condition of earth leakage detection	Ground fault resistance = 2k Ω or less Earth capacitance = 0.01 μ F or less
Power	9V battery (manganese or alkaline)
Battery life	About 8 hours (manganese battery, 20°C, continuous receive)
Battery life display	Battery-LED (blue) (Battery remaining : lighting = 40% or more, blinking = 40% or less, extinction = 0%)
Auto power off	Auto power off after 10 minutes of non-operation
Auto power off alarm sound	1.5 sec (ON) → 5 sec (OFF) → 1.5 sec (ON) → 5 sec (OFF) → 5 sec (ON) → Power off
Applicable clamp sensor	Clamp sensor (M) (internal diameter ϕ 24) (standard) Clamp sensor (LL) (internal diameter ϕ 68) (option) Clamp sensor (L) (internal diameter ϕ 40) (option) Clamp sensor (S) (internal diameter ϕ 8) (option)
Dimensions	193 (H) × 51 (W) × 33 (D) mm
Weight	About 135g (including a battery)

Transmitter (Type : TLC-C-T)

Applicable voltage range	AC50/60Hz and DC : 12-528V
Type	Current consumption
Signal frequency	5kHz
Signal current	200mA _p
Signal time	30ms
Signal cycle	500ms
Operation indication	LED (yellow)
Voltage indication	LED (red) (100V/200V/400V)
Dimensions	112 (H) × 82 (W) × 30 (D) mm
Weight	About 111g

Clamp sensor (M) (Type : TLC-C-F1)

Applicable voltage range	AC50/60Hz and DC : max. 528V
Applicable current	AC50/60Hz and DC : 100A
Internal diameter of clamp	ϕ 24
Applicable clamping point	Insulating coating of LV insulated conductor (Never clamp the bare conductors.)
Length of signal cable	About 90cm
Dimensions	100 (L) × 60 (W) × 26 (D) mm
Weight	About 81g

Togami Electric Mfg. Co., Ltd. Planning Group, Global Department

1-1 Ohtakara-Kitamachi, Saga 840-0802 Japan
TEL +81-952-25-4131 FAX +81-952-25-9767
Email global.info@togami-elec.co.jp

※Appearance, dimensions, etc., are subject to change without prior notice.