

FD550 & FD650

Fuse Finders



Key features

- Simple tracing of fuses and breakers from sockets
- Visual & audible indication
- Fast manual mode
- Self-adjusting auto mode
- Mains powered plug-in transmitter
- Dual function receiver & non-contact voltage indicator

Additional features FD650

- Trace from light fittings and sockets
- Trace from one distribution board to another
- Includes soft carry case

	FD550	FD650
Live circuit fuse finding from wall sockets	✓	✓
Live circuit fuse finding from light fittings & distribution boards		✓
Digital detection	✓	✓
Automode	✓	✓
Voltage detector function	✓	✓

The FD Series makes identifying poorly labelled fuses and breakers easy without the need to power down each circuit to identify the one you need to work on. Plug the transmitter into a live 13A mains socket and then scan the board with the digital receiver to quickly identify the right breaker with audible and LED bargraph indication. The receiver has both fast manual mode and auto threshold mode set by a single sweep over the board. The auto mode sets the sensitivity to ignore weaker signals which can be caused by coupling between circuits, ensuring easy detection in a wide range of installations.

The receiver can also be used as a non-contact voltage detector with a bar graph indication of relative voltage.

The comprehensive FD650 Kit expands the capabilities of the standard FD550 so that it can also be used on light fittings or other points in a circuit in addition to 13A sockets.



Keeping You Safe

FD550 & FD650

Fuse Finders

Specifications

FUNCTION	FD550	FD650
ELECTRICAL		
TRANSMITTER (FD500/T & FD600/T)		
Power	from mains	from mains
Nominal supply voltage	230V	230V
Supply frequency range	30-70Hz	30-70Hz
Power consumption	Approx 1W	Approx 1W
Internal fuse rating	500 mA	500 mA
Earth leakage	Nil	Nil
RECEIVER (FD650/R)		
FUSE FINDER FUNCTION		
Tracing depth	Up to 10cm depending on local conditions	
Sensitivity threshold setting	automatic or manual push button	
VOLTAGE DETECTOR FUNCTION		
Voltage range	40V-600V AC	
Frequency range	50Hz-1kHz	
Voltage sensitivity This shows the typical distance at which the FD650/R will illuminate the first bar graph LED and activate the buzzer.	Cable type	at 115 V at 230V
	Flat 1mm ² twin & earth	3mm 23mm
	Flat 2.5mm ² twin & earth	3mm 23mm
	Round 1.5mm ²	2mm 18mm
GENERAL		
Receiver power	9V, PP3 alkaline battery (IEC 6LR61, NEDA 1604A)	
Low battery level	Approx. 6.9V	
Low battery indication	Flashing green battery LED	
Auto power down current drain	Typically 20µA	
Dimensions	FD500/T & FD600/T 65(H) x 65(W) x 50(D) mm. FD650/R 202(H) x 32(W) x 22(D) mm	
Weight	FD550/T & FD600/T approx 60g. FD650 approx 135g including battery	
Lead set		TL83 2 wire fused lead set, EX332 mains lead
ENVIRONMENTAL		
Temperature (Operating)	-10°C to 40°C, non-condensing	
Temperature (Storage)	-10°C to 50°C, non-condensing	
Altitude	up to 2000m	
Pollution degree	2	
SAFETY		
Conforms to	FD500/T & FD600/T: BS EN 61010-1, CAT III 300V. FD650/R: CAT IV 600V Class II, double insulation	
EMC		
Conforms to	BS EN 31326-1	

Included

FD550: FD500/T, FD650/R, 9V PP3 battery and instruction manual
FD650: FD600/T, FD650/R, carry case, EX332 mains lead, TL83 test lead, 9V PP3 battery and instruction manual

Related products

LOKKIT1 Comprehensive lockout kit
 LOKKIT2PLUS Domestic installer lock out kit
 VIPD138 Voltage indicator & proving unit

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