MARTINDALE ELECTRIC
Keeping You Safe

BZ701

Socket tester & supply polarity checker

Technical Data





Key features

- Incoming supply cross polarity test
- Quick & easy mains socket testing
- High/low voltage indication
- Red/Green LEDs and buzzer indicate 28 fault conditions
- N E L labelled LEDs quickly identify the source of common faults
- Tough sculpted design for easy removal

The BZ701 not only detects 28 socket wiring fault conditions and checks the mains voltage level, it also safely detects Line-Neutral reversal (cross polarity) at the incoming supply. The polarity swap test detects a serious fault condition that cannot be identified by normal socket testers on PME / TN-C-S systems, the most common type of supply. It is easily activated by using the touch pad on the BZ701. Correct polarity is indicated by three flashing green LEDs. A fault condition is clearly indicated by 3 red LEDs and a warning buzzer.

Socket polarity and earth wiring faults are identified by a combination of red LEDs. The LEDs are labelled N E L to aid fast identification of the source of common faults. A look up chart on the tester provides further fault diagnosis.

A continuous audible tone confirms that the socket wiring is correct, ideal for checking sockets that are not easily visible.

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Specification

FUNCTION	BZ701
ELECTRICAL	
Nominal operating voltage	230V AC rms
Operating frequency	50Hz
Power consumption	<2.5W
Power	from mains socket under test
Standby	after approx. 10 minutes
Voltage low indication	<195V ± 5%
Voltage high indication	>270V ± 5%
Earth neutral voltage high indication	>30V nominal
Supply polarity	reversal test (L-NE swap at incoming supply)
GENERAL	
Dimensions	65 x 80 x 59mm
Weight	93g
ENVIRONMENTAL	
Location	Indoor use only
Altitude	up to 2000m
Operating environment	-10°C to 40°C at max. 60%RH
Mains supply voltage fluctuations	± 10%
Overvoltage category	CAT III 300V
Pollution degree	2
SAFETY	
Conforms to	Conforms to BS EN 61010-1:2010+A1:2019 Class II, Reinforced insulation
EMC	
Conforms to	BS EN 31326-1

Included
BZ701 instruction manual

Related products
EZ365 Advanced Socket Tester

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