



# CHECK PLUG

## 13A SOCKET TESTER

### SAFETY WARNING

Proper safety measures should be taken when working with voltages exceeding 30V AC rms, 42V AC peak or 60V DC. Your socket tester is not intended to replace good electrical practices. This unit must only be used under the conditions and for the purposes for which it has been constructed. Pay attention to these safety instructions, the technical specification and the use of the unit in dry surroundings.

### PRE-TEST CHECK

Visually inspect the tester for any signs of physical damage, e.g. cracks, splits, loose pins or damaged indicators, etc. In the unlikely event of the socket tester sustaining physical damage, it should not be used. For good electrical practice it is recommended that you verify the function of the tester on a known correctly-wired live socket before & after use.

### OPERATING INSTRUCTIONS

Simply plug the CP501 Check Plug Socket Tester into a live 13A socket and switch the socket on. Three indicator lamps across the front of the unit provide a clear indication of a correctly wired socket. Fault indications are quickly identified using the key on the face label. Additional information can be found in the table opposite, showing 32 wiring conditions, of which 28 are faults that require investigation. In the event that a fault is indicated, investigation should only be carried out by a suitably qualified electrician.

### STORAGE AND MAINTENANCE

The socket tester should be kept in dry conditions and should be protected from moisture, condensation, physical damage and direct sources of heat. Ensure the unit is dry before use.

Cleaning: After removal from any socket, the unit may be cleaned using a soft, dry cloth. Solvents, liquids, detergents, surfactants and waxes should not be used.

There are no user serviceable parts inside.

### WARRANTY

This item is warranted against defects in materials and manufacture for 24 months from the date of purchase. Return to Martindale Electric if faulty.

### TECHNICAL SPECIFICATION

Operating voltage range: 200-250V

Frequency range: 30-70Hz

Power consumption: <1.2W

Temperature range: -10 to 40°C at max, 60% RH

Power supply: from mains

Open Earth if Earth resistance > 50K Ohm nom at 230VAC nom

Open Neutral if Neutral resistance > 30K Ohm nom at 230VAC nom

Martindale Electric Co Ltd  
Metrohm House  
Penfold Trading Estate  
Imperial Way  
Watford  
WD24 4YY

N	E	L
Socket Wires		
N	E	L
N	N	L
E	E	L
E	N	L
L	E	N
L	E	E
L	N	E
L	N	N
E	L	L
N	L	L
N	OPEN	L
E	OPEN	L
L	OPEN	E
L	OPEN	N
OPEN	E	L
OPEN	N	L
OPEN	L	E
OPEN	L	N
N	L	E
E	L	E
E	L	N
N	L	N
L	E	L
L	N	L
OPEN	OPEN	L
OPEN	L	OPEN
L	OPEN	OPEN
OPEN	L	L
L	OPEN	L
L	L	OPEN
OPEN	OPEN	OPEN
L	L	L

CP Lamps		
OK	● ● ●	
Note 1	● ● ●	
Note 1	● ● ●	
Note 1	● ● ●	
LN Reverse	●	Note 2
LN Reverse	●	Note 2
LN Reverse	●	Note 2
LN Reverse	●	Note 2
LN Reverse	●	Note 2
LN Reverse	●	Note 2
No Earth	● ●	Note 2
No Earth	● ●	Note 2
No Earth	● ●	Note 2
No Earth	● ●	Note 2
N Fault	● ●	Note 2
N Fault	● ●	Note 2
N Fault	● ●	Note 2
N Fault	● ●	Note 2
LE Reverse	●	Note 2
LE Reverse	●	Note 2
LE Reverse	●	Note 2
LE Reverse	●	Note 2
LE Reverse	●	Note 2
LE Reverse	●	Note 2
EN Fault		Note 3
LEN Fault		Note 3
LEN Fault		Note 3
LEN Fault		Note 3
LEN Fault		Note 3
LEN Fault		Note 3
LEN Fault		Note 3
LEN Fault		Note 3
L Fault		Note 3

With reference to table:

Note 1

EN reversal not detectable

Note 2

Investigation required by qualified electrician

Note 3 Caution!

Investigate with care. Socket wire(s) may be live, but lamps will not light

**NOTE:** This unit, in common with other simple socket testers, cannot detect Earth /Neutral reversal. ALL other single faults are accurately detected.