

1. SAFETY INSTRUCTIONS

When using the socket tester remember the following:

- The tester is **ONLY** for use on 230V 13A mains sockets (BS1363 configuration).
- Before use confirm that the tester case and pins are undamaged.
DO NOT use if any fault is found.
- The operation of the tester may be checked by 'testing' a known good socket.
- Not for continuous use - **DO NOT** leave the tester connected to the supply for more than ten minutes.
- **DO NOT** use the tester for any purpose other than that for which it is designed.
- Always have any detected fault rectified by a qualified electrician.
- **DO NOT attempt to rectify any fault until the socket supply fuse/breaker has been removed/opened.**
- After rectification recheck socket with tester to ensure that no further faults exist.

2. SPECIFICATION

Input:

Rating.....230V Frequency50Hz Current Draw.....<18mA

Ambient:

Temperature...0-40°C Humidity<95% non-condensing

3. FEATURES

EST12

- Any LED off indicates a fault.
- 3 green LEDs indicate correct wiring.
- Detects correct wiring and 13 different fault conditions.

EST22

- All the features of EST12, plus:
- Continuous tone for correct wiring.
- Warbling tone for wiring fault.

EST32

- All the features of EST22, plus:
- Built-in automatic self-check.
- Triple-coloured LEDs - Green, Red, Orange.
- Detects correct wiring and 17 different fault conditions.
- Display indicates which terminals are faulty.

4. OPERATION

Ensure that you read, understand and apply the Section 1 safety instructions.

- 4.1. Confirm that the socket to be tested is switched off and then plug in the tester.
- 4.2. Switch on the socket and note the LED/audible indication given by the tester. See Section 6 for diagnosis.
Note: Model EST32 will self-check when the socket is switched on. The three LEDs will alternate between all red and all green before giving the steady fault/OK diagnosis. If the alternating red/green flashing does not take place, then the unit is faulty.
- 4.3. Switch off socket, remove tester and, if necessary, arrange for a qualified electrician to carry out rectification.
- 4.4. To determine which fuse/breaker supplies a given socket, plug tester (EST22 or EST32) into socket and switch on, to produce the audible tone. Remove fuses/open breakers until tone stops.

5. DECLARATION OF CONFORMITY

Declaration of Conformity We, the sole distributor in the UK, declare that the products listed below are in conformity with the following standards and directives.

230V 13A Socket Testers
Models EST12, EST22 & EST32
73/23/EEC Low Voltage Directive
89/336/EEC EMC Directive



The construction files for these products are held by the manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman

1st May 2002

For Jack Sealey Ltd., sole distributor in the UK of Sealey Power Products.

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this equipment. **WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim. **INFORMATION:** For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.

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SEALEY POWER PRODUCTS



INSTRUCTIONS FOR 230V 13A SOCKET TESTERS MODELS EST12, EST22, EST32



IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

6. FAULT INDICATION

6.1. EST12 & EST22

Note: EST22 LEDs will also flash when a fault is detected.

Condition Number	Wiring Condition of Socket	Plug Terminals			LED Display			Buzzer (EST22 only)
		N	E	L				
		Socket Wiring						
1	Correct	N	E	L	G	G	G	C
2	Live connected to Earth terminal	N	L	E	.	.	G	W
3	Live connected to Earth terminal	E	L	N	.	.	G	W
4	Live connected to Neutral terminal	L	E	N	G	.	.	W
5	Live connected to Neutral terminal	L	N	E	G	.	.	W
6	Faulty Neutral	NC	L	N	.	G	G	W
7	Faulty Neutral	NC	N	L	.	G	G	W
8	Faulty Neutral	NC	E	L	.	G	G	W
9	Faulty Neutral	NC	L	E	.	G	G	W
10	Faulty Earth	L	NC	N	G	G	.	W
11	Faulty Earth	N	NC	L	G	G	.	W
12	Faulty Earth	E	NC	L	G	G	.	W
13	Faulty Earth	L	NC	E	G	G	.	W
14	Faulty Live/No mains	NC	NC	NC	.	.	.	No sound

6.2. EST32

Note: EST32 LEDs will also flash when a fault is detected.

Condition Number	Wiring Condition of Socket	Plug Terminals			LED Display			Buzzer (EST22 only)
		N	E	L				
		Socket Wiring						
1	Correct	N	E	L	G	G	G	C
2	Live and Earth reversed, Neutral OK	N	L	E	G	R	R	W
3	Live, Earth and Neutral all wrongly connected	E	L	N	R	G	R	W
4	Live and Neutral reversed, Earth OK	L	E	N	R	G	R	W
5	Live, Earth and Neutral all wrongly connected	L	N	E	G	R	R	W
6	Faulty Neutral	NC	L	N	O	G	G	W
7	Faulty Neutral	NC	N	L	O	G	G	W
8	Faulty Neutral	NC	E	L	O	G	G	W
9	Faulty Neutral	NC	L	E	O	G	G	W
10	Faulty Earth	L	NC	N	G	O	G	W
11	Faulty Earth	N	NC	L	G	O	G	W
12	Faulty Earth	E	NC	L	G	O	G	W
13	Faulty Earth	L	NC	E	G	O	G	W
14	Faulty Live	L	N	NC	R	R	R	W
15	Faulty Live	N	L	NC	R	R	R	W
16	Faulty Live	E	L	NC	R	R	R	W
17	Faulty Live	L	E	NC	R	R	R	W
18	No Mains	NC	NC	NC	.	.	.	No sound

Key: G - Green O - Orange R - Red . - LED off NC - No connection C - Continuous tone, socket OK W - Warbling tone, fault