

# Sentry Enclosure Kits



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45998PL ED.1

## B. SAFETY

1. This kit must be fitted by a competent person (i.e. a qualified Electrician) in accordance with the instructions contained and all leaflets supplied, and in accordance with the current edition of the IEE wiring regulations.
2. Prior to installation it is essential the user/installer disconnects the supply before commencing work.
3. The total load of the Sentry Kit must not exceed the maximum rating of the RCD.
4. It is essential that all connections are made as instructed, and that cables are aligned properly and not stressed. All terminals must be tightened to the correct torque value (as stated in the device instruction leaflets)
5. It is important that during installation of any Sentry Enclosure, steps are taken to ensure that the IP rating is maintained, e.g. correct use of cable glands and knockouts.

## D. TESTING

Testing on completed installations should be carried out in accordance with the latest edition of the IEE Wiring Regulations. This must cover:-

1. Operation of RCD, this must be achieved by a test simulating an appropriate fault condition and independent of any test facility incorporated within the device.
2. The earth loop impedance requirements are satisfied in respect of the type of RCD fitted.

Maximum permissible values

10mA trip	5,000Ω
30mA trip	1,666Ω
100mA trip	500Ω

Maintenance, RCD operation should be checked regularly at least quarterly by pressing the test button marked 'T'. The RCD should trip instantaneously. If the RCD fails to trip, switch off and do not use the device. Call in a qualified electrician, or contact MK Technical Sales Service:-  
Tel 01268 563720, Fax 01268 563064

## A. INTRODUCTION

Sentry is a comprehensive circuit protection system brought to you by MK Electric. The Sentry system is based on modular sizing principle. All Sentry devices and enclosures are expressed in terms of size, by the number of modules, with one module being 18mm wide, the width of one MCB.

Featured in the Sentry range are Consumer units, Switches, Miniature Circuit Breakers (MCBs), Residual Current Devices (RCDs), Residual Current Breaker with Over current protection (RCBOs), together with a useful selection of co-ordinated and compatible modular control products such as a Bell Transformer, Time Delay Switches, Timers and Contactors.

Sentry enclosure kits are available ready populated to suit the requirements of add-on installations, such as showers, and garages/ workshops.

All units have been designed to comply with the requirements of BS EN 60439-3 and manufactured in accordance with ISO 9002.

## C. INSTALLATION

Please read this section thoroughly before installing the Sentry Kit. Ensure all leaflets supplied with the kit together with those supplied with the devices are left with the unit for the benefit of future users.

1. Remove cover from unit. Securely fasten base to a flat dry vertical surface, the mounting holes provided will suit No 10 round head woodscrews.
2. Remove knockouts as required for wiring incoming and out going cables. Note: to maintain weatherproof rating a suitable 20mm conduit adaptor should be used.
3. Connect incoming/out going wires as required.
4. Ensure all screw terminals are tightened to the correct torque figure as shown below.  

Terminal Bar	1-1.5Nm
RCD & MCBs	2-2.5Nm
5. Use labels provided to identify circuit device function.

## E. GUARANTEE

MK Electric undertakes to replace or repair at its discretion goods should they become defective within 10 years solely as a result of faulty materials and workmanship. Understandably, if the product has not been installed, operated or maintained in accordance with the instructions, has not been used appropriately or if any attempt has been made to rectify, dismantle or alter the product in any way, the guarantee will be invalidated. The guarantee states MK Electric entire liability. It does not extend to cover consequential loss or damage or installation costs arising from the defective product. This guarantee does not in any way affect the statutory or other rights of a consumer and applies to products installed within the UK and Eire only.

If in doubt contact MK Technical Sales Service:-  
Tel 01268 563720, Fax 01268 563064