

TIMEGUARD®

Weathersafe Extreme



Installation & Operating Instructions

WEATHERSAFE®
IP66
RATING

IP66 Products covered by these instructions

WXT201N	Twin Gang Socket Switched 13A
WXT104N	Single Gang RCD Fused Spur 13A
WXT204N	Twin Gang RCD Socket Switched 13A (Passive/Latching)
WXT205N	Twin Gang RCD Socket Switched 13A (Active/Non-Latching)
WXT103N	Single Gang Switched Fused Spur 13A – with Neon

1. General Information

These instructions should be read carefully and retained for further reference and maintenance.

All Weathersafe Extreme products need to be fitted with waterproof cable and conduit entries to maintain their IP rating once installed

2. Safety

- Before installation or maintenance, ensure the mains supply to the switch, socket, spur or bell push unit is switched off and the circuit supply fuses are removed or the circuit breaker turned off.
- It is recommended that a qualified electrician is consulted or used for the installation of this IP66 rated switch, socket, spur or bell push unit and install in accordance with the current IEE wiring and Building Regulations.

- Check that the total load on the circuit including when this switch, socket, spur or bell push unit is fitted does not exceed the rating of the circuit cable, fuse or circuit breaker.
- Electricity can be dangerous; the use of an RCD should not be regarded as a substitute for basic electrical safety precautions.
- Always test the RCD before use. If the test procedure is not completed satisfactory or an appliance continues to trip the RCD seek professional advice and switch off the appliance.
- To clean, use a clean dry cloth only. Do NOT use any liquid cleaners.
- During use warming of the enclosure is normal.

Wiring tests – Important (WXT104N, WXT204N & WXT205N)

- Remove this product from the circuit if carrying out tests (as described in the IEE Wiring Regulations) for earth loop impedance, prospective short circuit current and insulation resistance.
- Use the enclosed warning label to ensure this is carried out.

3. Technical Specifications

General

- Voltage: 230V AC 50Hz
- IP Rating: IP66
- All products in the range comply with the low voltage directive 2014/35/EU and where relevant the EMC directive 2014/30/EU and ROHS directive 2011/65/EU.
- CE Compliant

Sockets (WXT101N & WXT201N)

- Individual power 'ON' Neon Indicators
- Lockable cover facility
- Operating temperature range: -5° to 55°C
- Complies with: BS1363

RCD'S (WXT104N, WXT204N, WXT205N)

- Lockable cover facility
- Rated trip current: 30mA
- RCD Type: Double pole, suitable for 2 and 3 wire applications
- Breaking capacity: 250A (Earth leakage)
- Through fault withstand: 1500A
- Trip Speed: Less than 40msec at 150mA residual current
- Classification: WXT104N – Latching (Passive)
WXT204N – Latching (Passive)
WXT205N – Non-latching (Active)
- Operating temperature range: -5°C to 40°C
- Complies with: BS7288 & BS1363

Fused Spur (WXT103N)

- Power 'ON' Neon indicator
- Lockable cover facility
- Operating temperature range: -5° to 55°C
- Complies with: BS1363

4. WXT101N, WXT201N & WXT103N Installation

1. **IMPORTANT** Switch off the electricity at the fuse box by removing the relevant fuse or switching off the circuit breaker before proceeding with the installation.
2. Using a Philips screwdriver, separate the faceplate from the back box by removing the four tapped screws located in each corner. See figure 1 & 2 for your chosen product.

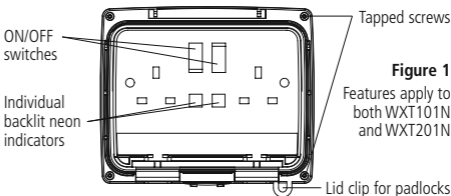


Figure 1
Features apply to
both WXT101N
and WXT201N

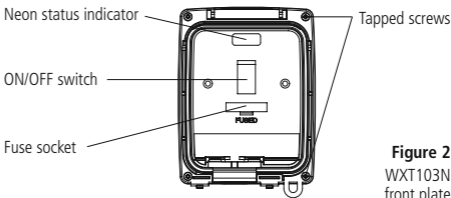


Figure 2
WXT103N
front plate

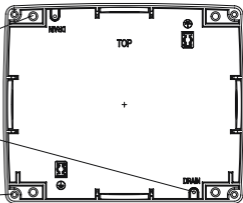
- Using the back plate as a template mark the position for the holes. Note the back plate must be mounted in the correct orientation, following the 'TOP' marking inside the back plate. If the mounting position desired is uneven use a sheet of marine ply as a base plate and fit the back box. Insert the rawl plugs into the holes.
- Drill the wall using a 4mm Ø drill bit making sure not to infringe or compromise any gas, water pipes or cables.
- The drain feature must be drilled out using a 5mm drill if the top or side entry conduit is used. Opening this drain hole will reduce the IP rating of the product. Remember – open out the lower drain feature only, see figure 3.

Figure 3

4x fixing holes for
no. 8 wood screws

Drain feature, use only
lower if required

Front cover fixing holes



6. Select the required entry point by unscrewing the appropriate seal located on all four sides of the back box. If conduit is not going to be used, a waterproof cable with suitable IP rated 20mm cable glands to maintain the overall IP rating. If the bottom entry conduit is used, there must be adequate drainage from the lowest point of the conduit.
7. Follow suit using the same method depicted in stage 6 to create an exit point for the output supply cable to follow through on.
8. Secure the back box to the wall using suitable screws for the rawl plugs installed. Ensure that the back box is correctly orientated following the 'TOP' marking which is labelled inside.
9. Pass through the 230V AC 50Hz mains supply cable and secure the cables tightly to their respective terminals ensuring that all bare conductors are sleeved and that correct polarity is observed, see figure 4, 5 or 6 for the appropriate wiring diagram of your chosen product. Note that if metal conduit is being used the earth continuity between the conduits must be maintained.
10. Once the mains supply is connected to the correct terminals, mount the face plate over the back box aligning the four screws from the face plate to the four mounting holes on the back box. Tighten until secured.

4.1 WXT101N, WXT201N & WXT103N Wiring Diagrams

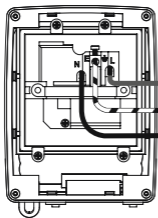


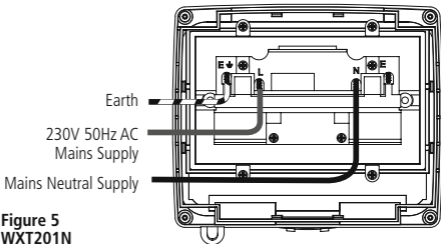
Figure 4
WXT101N

230V 50Hz AC Mains Supply

Earth

Mains Neutral Supply

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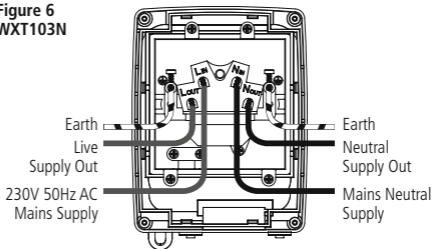
Earth

230V 50Hz AC
Mains Supply

Mains Neutral Supply

Figure 5
WXT201N

Figure 6
WXT103N



5. WXT104N, WXT204N, WXT205N Installation

1. **IMPORTANT** Switch off the electricity at the fuse box by removing the relevant fuse or switching off the circuit breaker before proceeding with the installation.
2. Using a Philips screwdriver, separate the faceplate from the back box by removing the four tapped screws located in each corner. See figure 7 & 8 for your chosen product.

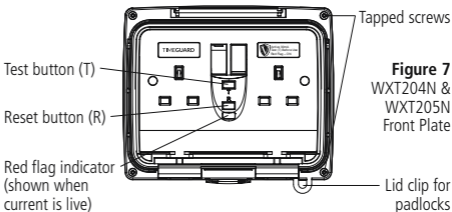


Figure 7
WXT204N &
WXT205N
Front Plate

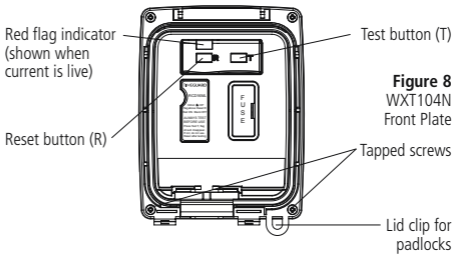


Figure 8
WXT104N
Front Plate

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- Using the back plate as a template mark the position for the holes. Note the back plate must be mounted in the correct orientation, following the 'TOP' marking inside the back plate. If the mounting position desired is uneven use a sheet of marine ply as a base plate and fit the back box.
- Drill the wall using a 4mm Ø drill bit making sure not to infringe or compromise any gas, water pipes or cables. Insert the rawl plugs into the holes.
- The drain feature must be drilled out using a 5mm drill if the top or side entry conduit is used. Opening this drain hole will reduce the IP rating of the product. Remember – open out the lower drain feature only.
- Select the required entry point by unscrewing the appropriate seal located on all four sides of the back box. If conduit is not going to be used, a waterproof cable with suitable IP rated 20mm cable glands will be required to maintain the overall IP rating. If the bottom entry conduit is used, there must be adequate drainage from the lowest point of the conduit.
- Follow suit using the same method depicted in stage 6 to create an exit point for the output supply cable to follow through on.

- Secure the back box to the wall using suitable screws for the rawl plugs installed. Ensure that the back box is correctly orientated following the 'TOP' marking which is labelled inside.
- Pass through the 230V AC 50Hz mains supply cable and secure the cables tightly to their respective terminals ensuring that all bare conductors are sleeved and that correct polarity is observed, see figure 9 and 10 for the appropriate wiring diagram for your chosen product. Note that if metal conduit is being used the earth continuity between the conduits must be maintained.
- Once the mains supply is connected to the correct terminals, mount the face plate over the back box aligning the four screws from the face plate to the four mounting holes on the back box. Tighten until secured.

5.1 WXT104N, WXT204N, WXT205N Wiring Diagrams

Figure 9
WXT104N

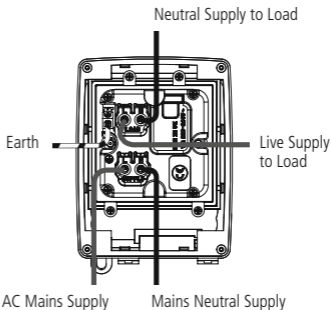
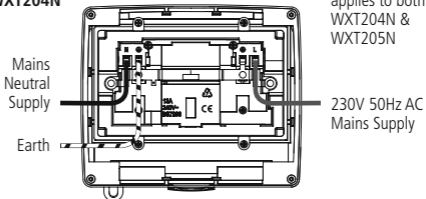


Figure 10
WXT204N



This diagram applies to both WXT204N & WXT205N

5.2 WXT104N, WXT204N and WXT205N Testing & Usage

To test: Ensure supply is connected

RESET – press the grey (blue for WXT205N) button marked Reset (R), the status indicator should show red.

Test – press the red button marked Test (T), the status indicator should show black. This indicates that the RCD has been tripped and power has been disconnected from the outlet.

RESET – press the grey (blue for WXT205N) button marked reset (R) again; the status indicator should show red.

If all the above operations work satisfactory, the RCD is safe for use.

If this test procedure is not completed to a satisfactory standard, do not use the RCD and seek professional advice.

In applications such as hand driers it may not be practical to expect each user to test before use. In this case we suggest an appropriate person applies the test routine twice a day.

After satisfactory testing the RCD, any connected appliance may be switched on, and used in the confidence that the user is protected from electric shock by rapid disconnection of the supply.

3 Year Guarantee

In the unlikely event of this product becoming faulty due to defective material or manufacture within 3 years of the date of purchase, please return it to your supplier in the first year with proof of purchase and it will be replaced free of charge. For the second and third years or any difficulty in the first year telephone the helpline on 020 8450 0515.

Note: A proof of purchase is required in all cases. For all eligible replacements (where agreed by Timeguard) the customer is responsible for all shipping/postage charges outside of the UK. All shipping costs are to be paid in advance before a replacement is sent out.

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If you experience problems, do not immediately
return the unit to the store.

Telephone the Timeguard Customer Helpline;

HELPLINE

020 8450 0515

or email helpline@timeguard.com

Qualified Customer Support Co-ordinators will be on-line
to assist in resolving your query.



A **theben** Group Company

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Sales Office: 020 8452 1112
or email csc@timeguard.com

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