

Simplified Declaration of Conformity (RED)



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CS -Tímto RF Solutions Limited prohlašuje, že typ rádiového zařízení definované v tomto dokumentu je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: www.rfsolutions.co.uk

DA - Hermed erklærer RF Solutions Limited, at radioudstyrstypen defineret i dette dokument er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse: www.rfsolutions.co.uk

DE - Hiermit erklärt RF Solutions Limited, dass der Funkanlagentyp in diesem Dokument definiert der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: www.rfsolutions.co.uk

EL - Με την παρούσα οή RF Solutions Limited, δηλώνει ότι ο ραδιοεξοπλισμός ορίζεται σε αυτό το έγγραφο πληροί την οδηγία 2014/53/EE. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: www.rfsolutions.co.uk

EN - Hereby, RF Solutions Limited declares that the radio equipment type defined within this document is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.rfsolutions.co.uk

ES - Por la presente, RF Solutions Limited declara que el tipo de equipo radioeléctrico definido dentro de este documento es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente: www.rfsolutions.co.uk

ET -Käesolevaga deklareerib RF Solutions Limited, et käesolev raadioseadme tüüp määratletud selles dokumendis vastab direktiivi 2014/53/EU nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: www.rfsolutions.co.uk

FI -RF Solutions Limited vakuuttaa, että radiolaitetyypin määrätiedot selles dokumendis on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: www.rfsolutions.co.uk

FR - Le soussigné, RF Solutions Limited, déclare que l'équipement radioélectrique du type défini dans ce document est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: www.rfsolutions.co.uk

HR - RF Solutions Limited ovime izjavljuje da je radijska oprema tipa definirani u ovom dokumentu u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: www.rfsolutions.co.uk

HU - RF Solutions Limited igazolja, hogy a dokumentumban meghatározottak szerint típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: www.rfsolutions.co.uk

IT - Il fabbricante, RF Solutions Limited, dichiara che il tipo di apparecchiatura radio definito all'interno di questo documento è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione UE di conformità è disponibile al seguente indirizzo Internet: www.rfsolutions.co.uk

LT - Aš, RF Solutions Limited, patvirtinu, kad radijo įrenginių tipas apibūrežta šiame dokumente atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: www.rfsolutions.co.uk

LV - Ar šo RF Solutions Limited deklarē, ka radioiekārta kas definēts šajā dokumentā atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: www.rfsolutions.co.uk

MT - B'dan, RF Solutions Limited, niddikjara li dan it-tip ta' tagħmir tar-radju definit f'dan id-dokument huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: www.rfsolutions.co.uk

NL - Hierbij verklaar ik, RF Solutions Limited, dat het type radioapparatuur gedefinieerd in dit document conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: www.rfsolutions.co.uk

PL - RF Solutions Limited niniejszym oświadczam, że typ urządzenia radiowego zdefiniowane w tym dokumencie jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: www.rfsolutions.co.uk

PT - O(a) abaixo assinado(a) RF Solutions Limited declara que o presente tipo de equipamento de rádio definido neste documento está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: www.rfsolutions.co.uk

RO - Prin prezenta, RF Solutions Limited declară că tipul de echipamente radio definit în acest document este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: www.rfsolutions.co.uk

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SV - Härmed försäkrar RF Solutions Limited att denna typ av radioutrustning definieras i detta dokument överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress: www.rfsolutions.co.uk

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ROHS Directive 2011/65/EU and amendment 2015/863/EU
Specifies certain limits for hazardous substances.
WEEE Directive 2012/19/EU
Waste electrical & electronic equipment. This product must be disposed of through a licensed WEEE collection point. RF Solutions Ltd., fulfils its WEEE obligations by membership of an approved compliance scheme. Environment agency number: **WEE/JB0104WV.**



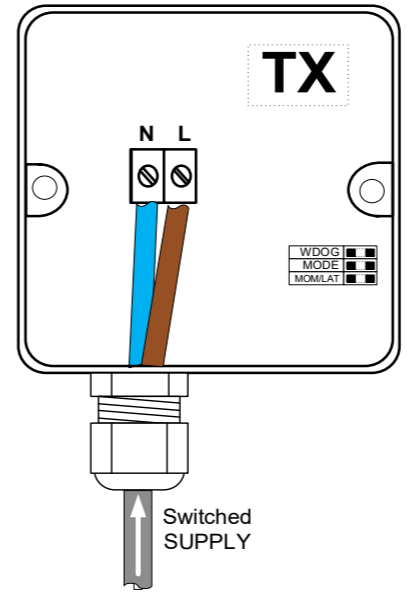
Waste Batteries and Accumulators Directive 2006/66/EC
Where batteries are fitted, before recycling the product, the batteries must be removed and disposed of at a licensed collection point. RF Solutions battery producer number: **BPRN00060.**

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Quick Start Guide



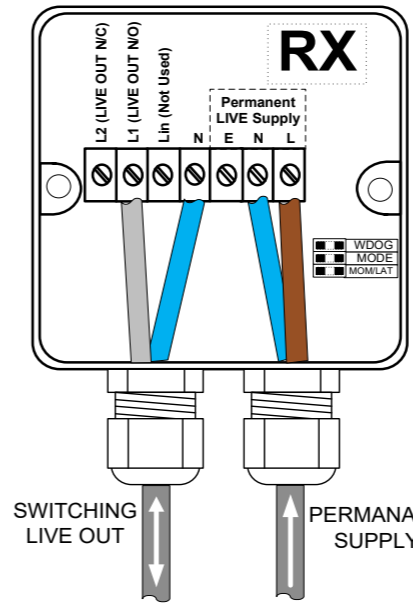
Installation



Indicates that input is LIVE
Flashes when RF Transmitting

Connect the Switched Input L

When this input is 'LIVE' the Red LED will illuminate, and MAINSLINK-RX will then switch Live out at its output.



Flashes when RF Active (also indicates error mode)
Indicates that output is LIVE

Connect

1. Permanent LIVE and NEUTRAL supply.
2. Your Load to LIVE OUT.

When the Live Output (LOUT) is LIVE the Red LED will illuminate.

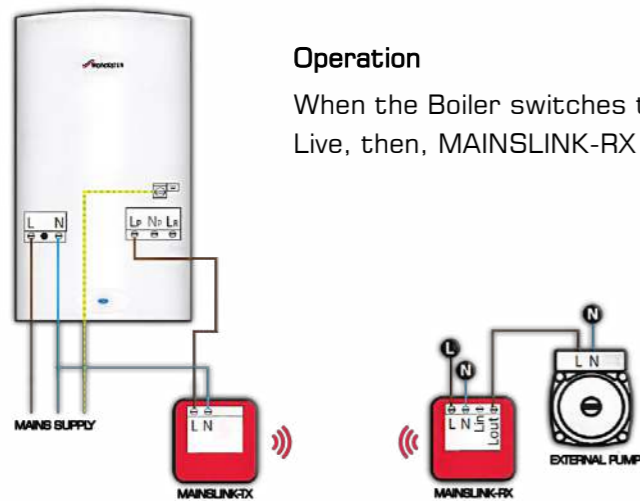
Note: Live In Terminal is Not Used, .

Sales: 01444 227910 Support: 01444 227909





Application example: WORCESTER-BOSCH Boiler Installation:



Operation

When the Boiler switches the Pump ON, MAINSLINK-TX is switched Live, then, MAINSLINK-RX Lout will automatically switch the pump on.

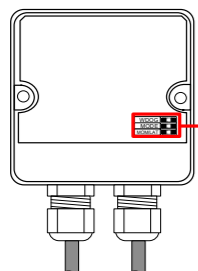


Warnings:

- Product is not independently isolated, ISOLATE the mains electricity supply before removing the cover and observe any relevant safety precautions. Maintenance to the product that involves removal of the cover should only be carried out by a competent person or qualified electrician.
- F2 Fuse rating is 4A (T) 250 H (Ceramic). Replace fuse with same type and rating.
- Relay is rated at 10A peak, and 5A constant.
- Product must be connected to a switch fused spur/supply or BS1363 Plug. A single Fuse Spur is recommended to supply the Boiler and MAINSLINK jointly so that they are isolated together.

Jumper Link Setting:

There are three Jumper Links which may be used to configure the following:



| Link | Open | Fitted |
|---------|--------------|-----------------|
| WDOG | Watchdog OFF | Watchdog Active |
| MODE | FM | LORA Mode 3 |
| MOM/LAT | Momentary | Latching |

WDOG: WATCHDOG:

This provides improved reliability and security, useful with electrically noisy Loads. When the WDOG links are fitted MAINSLINK-TX automatically sends a repeat background "watchdog" RF signal and MAINSLINK-RX expects to receive this signal. If the WDOG signal is not received within 90 seconds, the output will drop out and comms LED will flash.

In the event of a Power Loss at the receiver, if the transmitter is ON the Watchdog signal will auto recover the MAINSLINK-RX to Switch ON

MODE:

FM: Fast operation shorter range (Line of sight upto 500m/100m in buildings)

This mode is recommended for general operation.

LORA Mode 3: Slower operation Long range (Line of sight upto 5Km/1Km in buildings)

This mode can be used where additional RF penetration / range is required.

MOM/LAT - Momentary or Latching Output

MOMENTARY: Used for MAINSLINK TO MAINSLINK.

LATCHING: Select this when MAINSLINK-RX is controlled by a Remote transmitter e.g. pocket keyfob.



Switching Lower Power LED Lights:

Mainslink-RX incorporates a "snubber" protection circuit which is recommended with Inductive Loads such as a Motor or pump.

If switching lower power LED lighting the snubber circuit can cause the LED lights to faintly glow when switched off.

To remove the snubber, remove Jumper link J2 on the rear of the PCB (as image shows).



Pairing a MAINSLINK-TX to a MAINSLINK-RX

NOTE: This system does not require pairing, they are supplied ready to operate!

1. Apply a 230Vac supply to the MAINSLINK-RX
2. Briefly swipe a magnet along right side as shown
3. The GREEN comms LED will flash 3 times to show "in Pairing Mode".

| MAINSLINK-RX COMMS LED | | |
|------------------------|-------------|-----------------|
| Operation | 2 x Flashes | 3 x Flashes |
| | | |
| Status | Unpaired | In Pairing Mode |

5. Apply a 230Vac supply to the MAINSLINK-TX
6. Briefly swipe a magnet along right side as shown
7. MAINSLINK-TX will now send a special Pairing message
8. The MAINSLINK-TX and MAINSLINK-RX will now Auto pair together - allow 15 secs.

Erasing a MAINSLINK-RX

To erase the system hold a magnet beside the top right side of the enclosure until the Green COMS LED is ON solid (about 5 seconds).

