



RF Solutions MAINSLINK-PRO Two Way Pump Overrun User Guide

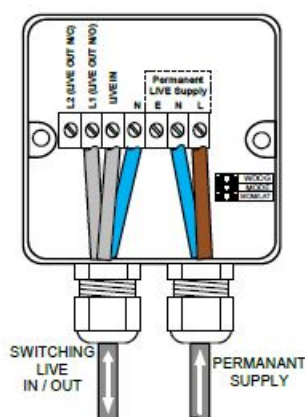
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RF Solutions MAINSLINK-PRO Two Way Pump Overrun



Installation

Connect the Supply to both units

Connect the permanent LIVE Feed and NEUTRAL supply.

Connect the Switched Input Lin

Connect the Switching Live input to Lin

When the Switched Live input (LIVE IN) is 'LIVE' the LED will illuminate, and the Lout at the other MAINSLINK-PRO will then switch Live out.

Connecting the Switching Load Lout

Multiple System Operation

Each MAINSLINK-PRO system contains a unique identity so multiple systems can operate within the same area

COMMS LED				
	ON	One Flash	Two Flashes	3 Flashes
Operation				
Status	RF Link OK	Out of range	Powered But unpaired	In Pairing Mode
Description	System operating OK	No RF connection to other MAINSLINK-PRO	Waiting to be paired to another MAINSLINK-PRO	Actively sending an RF 'Please Pair message'

without interfering with each other.

Connect your LOAD to Lout

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

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	LORA Mode 3	LORA Mode 7
MOM/LAT	Not Used	

WDOG – WATCHDOG

This provides improved reliability and security useful in with electrically noisy Loads.

When the WDOG link is fitted each MAINSLINKPRO automatically sends a background watchdog RF signal and expects to receive a corresponding WDOG signal from its partner.

If the WDOG signal is not received within 90seconds, the output will drop out and comms LED will flash.

MODE

LORA Mode 3 — Faster operation shorter range (Line of sight upto 3Km/500m in buildings)

LORA Mode 7 — Long range (Line of sight up to 5Km/1Km in buildings)

NOTE! In this mode a transmitted signal can take 2 seconds to trigger the receiver.

MOM/LAT – Must be left OPEN for correct operation.

Advanced Operation—Pairing together two MAINSLINK-PROs

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

1. Apply a 230Vac supply to the first MAINSLINK-PRO
2. Briefly place a magnet across the enclosure (Right side as shown) to activate the internal reed switch.
3. The GREEN comms LED will flash 3 times to show in Pairing Mode



4. Apply 230Vac to the second MAINSLINK-PRO
5. Briefly place a magnet across enclosure (Right Side as shown) to activate the internal reed switch.



6. The GREEN comms LED will flash 3 times to show in Pairing Mode

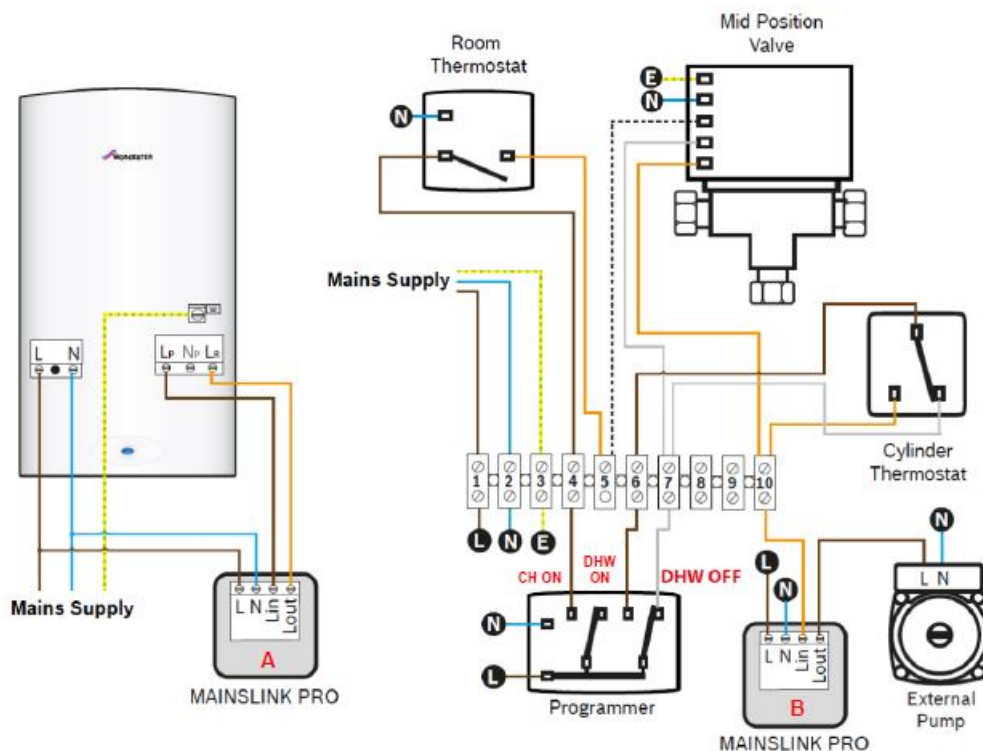
7. The two MAINSLINK-PRO units which will now auto pair together (allow 30 secs -Green Comms LED will stay on.)



Erasing a MAINSLINK-PRO

To erase the system hold a magnet beside the Right Side of the enclosure for 10 seconds as shown. Repeat this process on both units to erase the system.

Application example: WORCESTER-BOSCH Boiler Installation



Operation:

This system provides two functions, Switching of the Pump from the boiler and Switching of the Boiler from the wiring Centre.

When the wiring centre commands the Boiler ON, MAINSLINK-PRO B (Lin) is switched is Live, then MAINSLINK-PRO A Lout will automatically provide a LIVE signal to the boiler on.

When the Boiler outputs the Pump drive ON, MAINSLINK-PRO, (Lin) "A" is switched Live in, then MAINSLINK-PRO B Lout will automatically switch the pump on.

Connections at the Boiler:

The boiler output to the Pump is connected to the MAINSLINK-PRO A, (Live in).

The boiler control switching input is connected to the MAINSLINK-PRO A (Live out).

Connections at the Wiring Centre:

The thermostat switching output to switch the boiler is connected to the MAINSLINK-PRO B (Live in) The Pump is connected to the MAINSLINK-PRO B (Live out).

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.

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Documents / Resources



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MAINSLINK-PRO, Two Way Pump Overrun, Two Way Pump, Way Pump Overrun, Pump Overrun, MAINSLINK-PRO, Overrun

References

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-  rtsintercom.com/

Manuals+.