

Wireless Adaptor for Nurse Call Systems

Call 01837 810 590 for technical support

The Wireless Adaptor for Nurse Call Systems is a mains powered receiver that can be connected to an existing nurse call system.

What's inside

Your Wireless Adaptor is supplied with a power cable and a matched lead to connect into your call system.

How it works

The Wireless Adaptor is supplied with a matched wireless sensor. When it receives a wireless signal from the matched sensor, it will trigger your nurse call system. The wireless sensor can be positioned within a range of about 200m.



Setting up

1. **Connect the power cable to the Wireless Adaptor.** There is a socket on the back of the Wireless Adaptor on the far right – look for the “power” label.
2. **Connect the call system lead to the Wireless Adaptor.** There is a socket on the side of the Wireless Adaptor – look for the “call system” label.
3. **Connect to nurse call system and mains socket.**

The Wireless Adaptor will only trigger the call system using the matched sensor or call button.

4. **Test the system by activating the sensor or call button.** This will trigger your nurse call system.
5. **Reset nurse call system in the normal way.**



Problem Solving

Connections It sounds simple, but it is important to check all the cables are plugged correctly. The jack plugs need to be plugged all the way in.

If your call system does not trigger Remove the plug from the mains socket and reinsert it. Ensure that the mains power jack is inserted into the socket labelled “power” on the far right on the back of the Wireless Adaptor. Ensure that the call system lead is fully inserted into the socket marked “call system” on the side of the Wireless Adaptor. Activate the wireless sensor or call button. If your call system still does not trigger, please contact us.

Other information

Cleaning It is important to disconnect the Wireless Adaptor from the mains before attempting to clean. Please note that the unit is not water resistant and should not be exposed to water. Wipe carefully and ensure that no water enters the unit.

Safety Remember, regular system tests should be carried out to ensure correct function of the unit. Usage should be incorporated within safety manuals and procedures. If the unit has been dropped or is worn by a person involved in an accident the unit should be tested again before re-use. For pager-linked

sensors, range tests should be carried out at least once a week, more often if critical criteria apply. This should involve testing the unit past its required range.

Specifications

General	
Size:	71mm X 61 mm X 10 mm (Module only without Housing) 76mm X 72mm X 33mm (with Housing)
Power supply requirements:	DC 6-35V 1A (Max)
Power consumption:	Standby 20mA, Relays active maximum 80mA.
Weight	40gm(Module only) / 90gm (with housing)
Operation Temperature	-40°C~85°C
RF Performance	
Frequency bands:	136 MHz ~ 960 MHz. Program By Frequency Synthesized.
Frequency stability:	+/- 1ppm by TCXO
Channel spacing	6.25KHz or 12.5kHz or 25kHz
Demodulation	FSK NRZ, POCSAG format 512, 1200 or 2400 Bps
Selectivity	55dB
Inter modulation rejection	60dB
Sensitivity	-110db/M (512bps), -107db/M (1200bps), -104db/M (2400bps)
Antenna	Built-in loop antenna or option SMA antenna jack
Data output Interfaces	
RS-232	Use J3 by 3.5mm Plug
RS-422/RS485	Use J4 by 2.0mm 2 Pin wafer
Power Relay Unit	
Contact Rating	2X Dry contact 3A
Insulation Resistance	DC 500V 1000MΩ.
Contact Material	Ag Alloy
Approved	UL, CUL, and TUV

Compliance: Hereby, Frequency Precision declares that the RE type SRD is in compliance with RED2014/53EU. The full text of the EU DoC is available at the following internet address: <https://www.frequencyprecision.com/pages/doc-documentation>

Liability Frequency Precision does not accept any liability for any damage or injury, howsoever caused as a result of misuse of this equipment. It is the responsibility of the user to ensure that the equipment is operated in the manner for which it was intended and that it is the correct item of equipment for the required task. All systems can fail, and it is the responsibility of the user to carry out regular tests to determine the suitability of this equipment for any application.

Repair and replacement Frequency Precision will refund payment for any unit returned within 30 days of purchase as unsuitable for the intended purpose. Undamaged units will be repaired free of charge within the first 12 months.

Literature Frequency Precision Ltd operates a policy of continual improvement and therefore reserves the right to modify and change any specification without prior notice. While every possible care has been taken in the preparation of its manual, we do not accept any liability for the technical or typographical errors or omissions contained herein, nor for incidental or consequential damages arising from the use of the material.

Disposal At the end of the working life of the product it must not be disposed of within household waste but returned to Frequency Precision Ltd or disposed of at a collection point for the re-cycling of electrical and electronic equipment.