

# Wiring Instructions for 4911X 10m DIY Telephone Extension Kit

This kit includes a cable with fitted adaptor, surface extension socket, IDC connection tool and cable clips

## Installation & Connection To Telephone Lines

It is important to follow these instructions carefully to ensure telephone extension sockets and cabling do not damage public telephone networks and will give trouble-free service. The telephone service provider (eg British Telecom) is entitled to check and inspect any socket (or wiring) connected to their exchange lines.

## Telephone Line Connections

Each telephone line entering the premises must be fitted with a special 'master' socket by the telephone service provider. It is illegal to tamper with this master socket and it cannot be installed by the occupier.

1. No socket should have more than 50 metres of cable between it and the master socket.
2. Only enough current to ring four bells or sounders is provided by the local exchange, and to ensure they will all work the total of the Ringer Equivalent Numbers (REN) of all items in use should not exceed 4. If an item has no REN displayed, the value may be obtained from the manufacturer. Otherwise ensure the item bears a round green 'approval' label and assume a REN value of 1.  
An old telephone fitted with a modern line cord and plug may have a REN value of 4.

## Installation Planning

Do not position extension sockets outdoors or where damp or condensation may occur. Only join telephone cables within junction boxes or sockets.

NB: Do not use a socket to join more than two wires. If a spur type layout circuit is installed a junction box must be used. Telephone sockets must be at least 50mm (2 inches) from mains voltage electrical outlets. Do not connect any new wiring into existing sockets until installation is complete, and all connections made and checked.

## Installation

Start at the master socket. Leave a short loop of cable that will allow the Adaptor to be plugged into the master socket. Secure the cable to the wall using the clips provided. Route the cable so that it will not be damaged by the movement of furniture, doors, etc. Do not lay cable under carpets. (See Fig: 1)

To fit the extension socket undo the screws and remove cover.

Cut out a suitable cable entry point.

Pass the cable through the aperture and attach socket to wall with the screws provided.

Carefully strip about 50 mm of sheath from the cable and make connections as shown.

Use the Connecting Tool to press the wires into the connection slots, there is no need to remove insulation. (See Fig: 2)

NB It is normal to have only four wires in domestic installations, so 1 and 6 may not be required. Leave some slack wire within the socket, replace and secure the socket cover ensuring no wires are trapped.

## Testing

Before plugging in the extension cable, confirm that the telephone makes and receives calls.

Move the telephone to the extension socket and confirm the telephone makes and receives calls through the master socket.

Plug in the adaptor and telephone to the master socket and repeat the check.

Move the telephone to the new socket and carry out the check again. If more than one extension socket has been installed, repeat the check at each new socket. If more than one telephone is to be used, leave the first telephone at the master socket and repeat the above checks at each of the new sockets in turn. Add the third and fourth telephones in turn and check the extension sockets again.

Confirm that both or all ringers operate together. If the checks show a problem at the new socket, unplug the adaptor from the master socket and check the wiring of the problem socket.

Ensure the wires are connected to the correct terminals; if in doubt re-wire the connection. If the fault cannot be traced and corrected it will be necessary to arrange a service visit by the service provider, for which a charge may be made. The engineer will only rectify faults in the fixed wiring and in telephones rented by the service provider. If there is a fault with an owned telephone it should be returned to the place of purchase.

**WARNING:** This cable is only to be used for fixed wiring between an existing telephone socket and a new socket. It is not suitable for use as an extension lead.

N.B This kit is not suitable for installing ADSL Broadband extensions.

Fig: 1 Cable layout

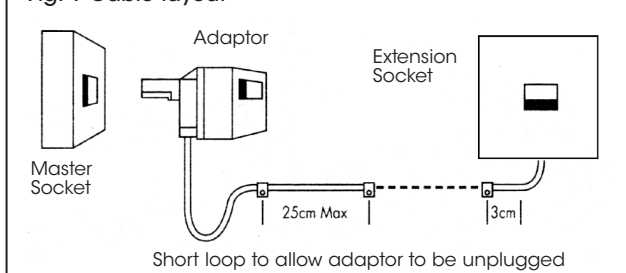
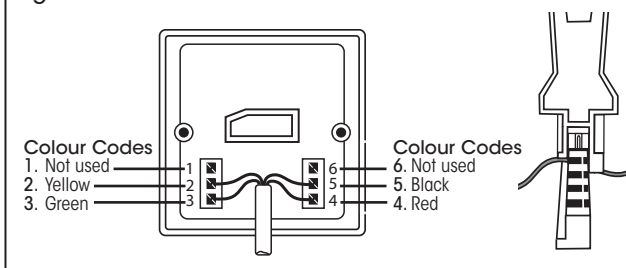



Fig: 2 Connection to extension socket



 Waste electrical and electronic products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority for recycling advice.

