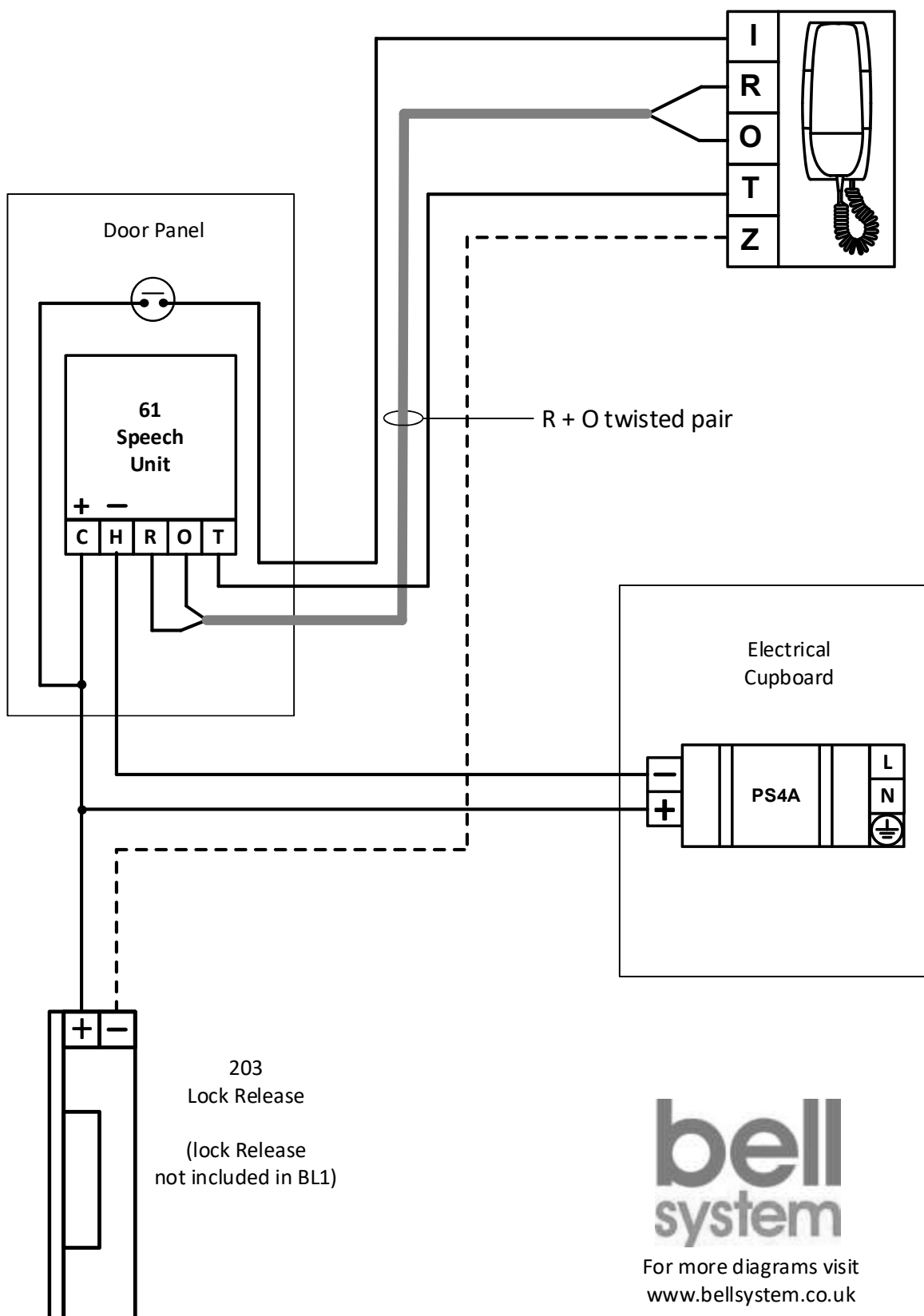


Wiring Diagram for 1 way Audio Door Entry Systems

901, VRK1, BL1



Installation of Door Entry Systems

The PS4A Power Supply must be wall-mounted in a protected indoor environment such as an electrical cupboard, close to a mains 230 Vac spur/electrical supply. It is intended only for use in a restricted access area. Refer to the PS4A power supply “use and Installation manual” supplied with the item, for full instructions.

The Door Entry Telephone is designed to be wall-mounted in a convenient indoor location.

The Entrance Panel, containing the 61 speech unit is available with either a surface or flush-mounting back box. Normally this would be mounted on an outside wall near the front door, and if possible, in a sheltered location. On 901 or BL1 systems ensure the speech grill is pointing down.

Speech Adjustment: There are two volume controls at the rear of the speech unit / grill:

Volume A: Speech level at the front panel (speaker)

Volume B: Speech level at the handset (microphone)

The Model 203 Electric Door Release (optional) is designed for use on an inward opening door fitted with a surface “night latch” type lock. This should be installed with a small amount of play between the lock and latch as operation will be impaired if this is too tight.

Cable requirements: for optimum speech clarity, the system should be installed using twisted pair cabling (e.g. CW1308 Telecoms cable or CAT5 or greater network cable). A minimum of 0.5mm diameter solid copper core cable or equivalent must be used. The R and O connections between the speech unit and the Handset should share a pair i.e. R = Blue/White stripe O = White/Blue stripe.

For distances greater than 50 meters or other lock releases please contact Technical Support.

Troubleshooting

Phone won't ring.	Check voltage between I and O on the phone when the call button is pressed. The reading should be at least 10V. Check one side of the call button is connected to C on the speech unit.
No speech at the phone.	Check the T core for a short or open circuit.
No speech at the entrance.	Check the R for a short or open circuit.
Loud howl/whistle.	Possible acoustic feedback, Adjust the volumes on 61 speech unit referring to above. Turn them both down then back up in small increments until satisfactory volume is achieved. Check R and T are not shorted together.
No lock operation.	Check the lock is connected to the 12V+ or the C terminal on the speech unit, and the Z connection from the handset.

**bell
system**

**UK
CA**



This product complies with UK regulations:
Electromagnetic Compatibility 2016/1101
Electrical Equipment Safety 2016/1091

This product complies with European
Directives:
Electromagnetic compatibility 2014/30/EU
Low Voltage Directive 2014/35/EU