

DPI200+/DEP200+ Door Panel and Interface for the Master 200plus Nursecall System

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General Description

The DEP200+ (Door Entry Panel) and DPI200+ (controller) provides a means of connecting a door entrance panel (at the building entrance) on to an M200+ Nurse call system.

The DEP200+ is a flush mounted stainless steel panel with a Zintec back box, with a push button, speaker and microphone. The DPI200+ control box is supplied in a robust steel box.

When the door panel button is pressed an alarm is placed on the M200+ system; staff can then talk to the person at the door and cancel the alarm from the system.

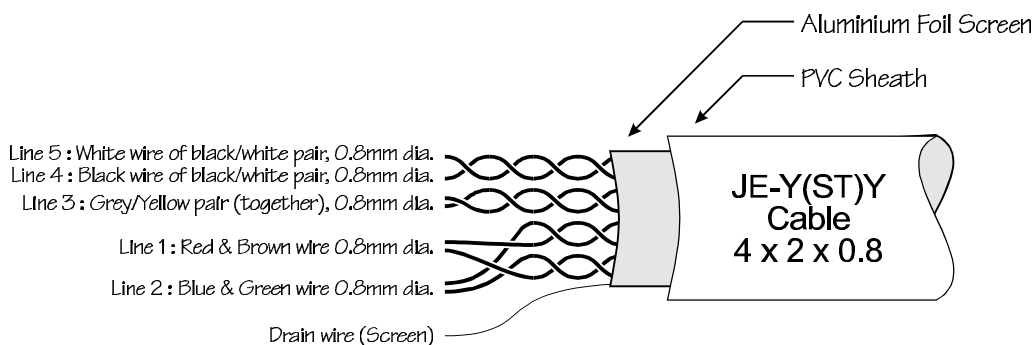
The DPI200+ can be assigned a logical number between 8 and 248. As with M200+ room units, this logical address may be re-assigned with any 4-digit alphanumeric flat number which may be required (E.G. 'ENT1', 'DOOR').

Cable Requirements

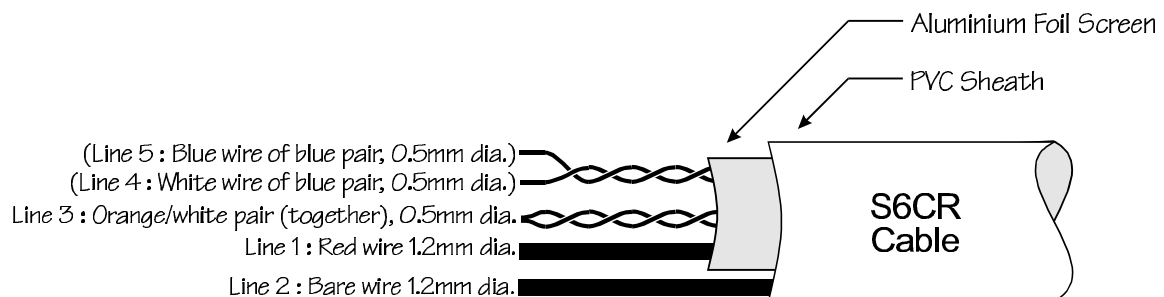
System Bus Cable

The GPI200+, M200+ room units and C200+ controller are interconnected by 5 common wires (the GPI200+ only requires 3) which carry power, speech and data. A single cable, of the type JE-Y(SY)Y, BSTL 'S6CR' (illustrated below) or equivalent, must be used to ensure correct operation of the system and compliance with European EMC directive (89/336/EEC).

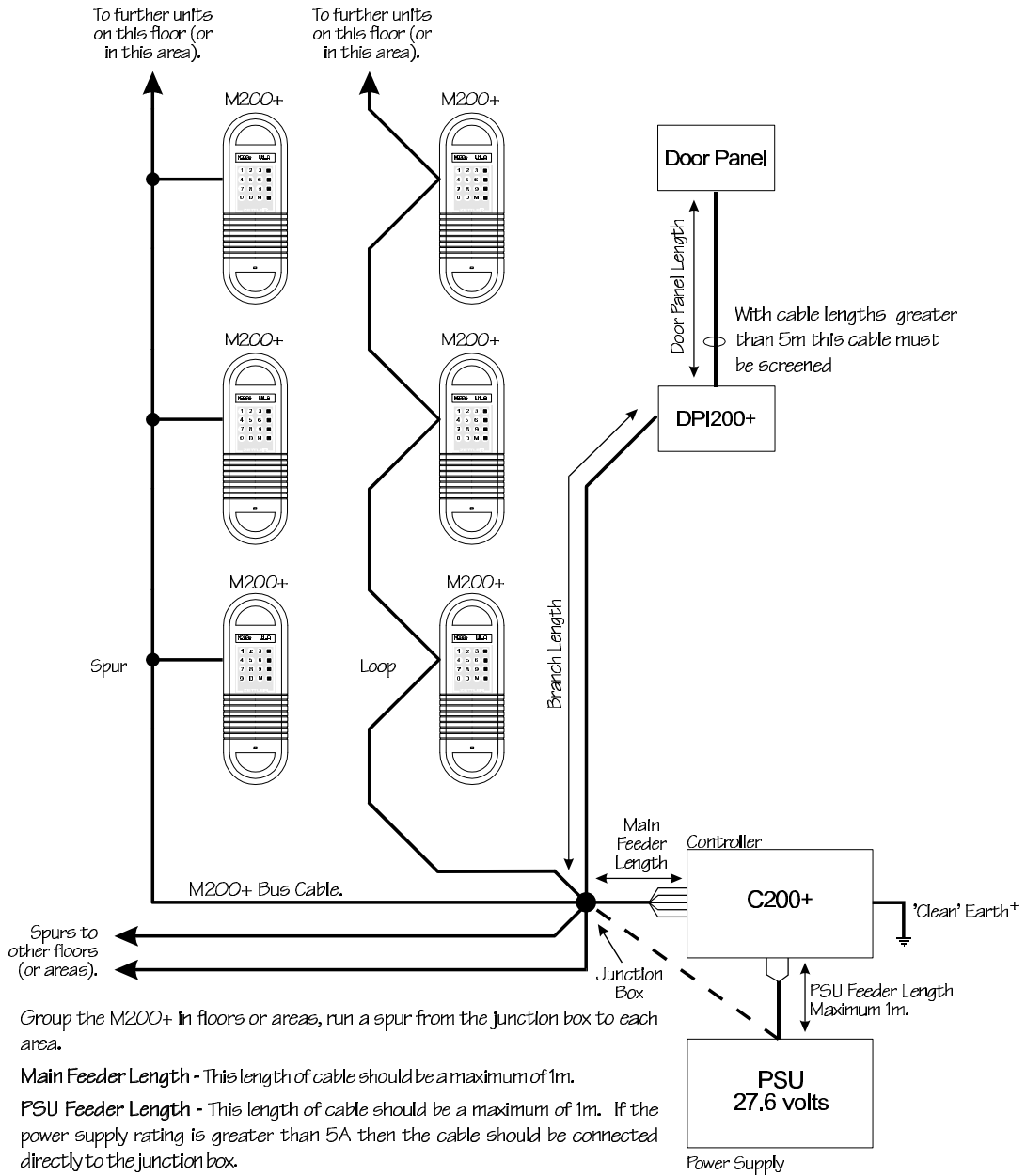
JE-Y(ST)Y Cable Specification (For all new systems)



S6CR Cable Specification (Upgrades to existing systems only where cable is re-used)



Cable Planning



Group the M200+ in floors or areas, run a spur from the junction box to each area.

Main Feeder Length - This length of cable should be a maximum of 1m.

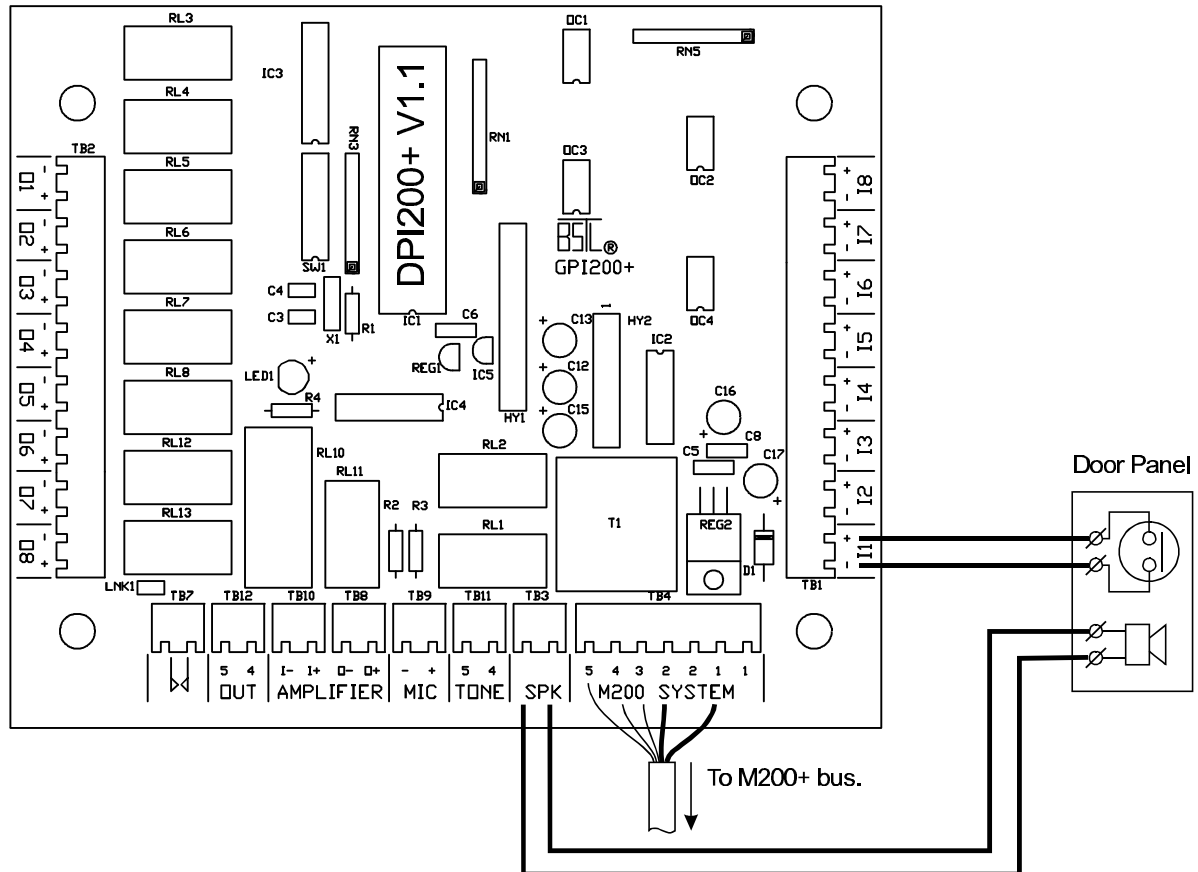
PSU Feeder Length - This length of cable should be a maximum of 1m. If the power supply rating is greater than 5A then the cable should be connected directly to the junction box.

Branch Length - The length of this cable should not exceed 400m

Door Panel Length - The length of this cable should not exceed 100m

† For further information refer to 'Controller (C200+) Wiring' (Master 200+ Wardens Call System Installation Manual).

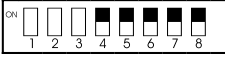

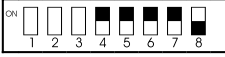

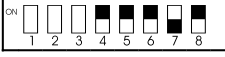
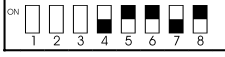
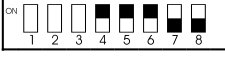
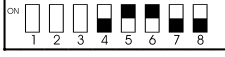







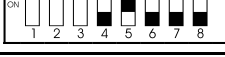



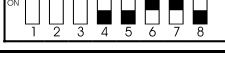


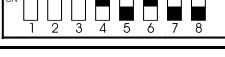







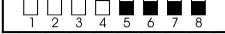

DPI200+ Wiring



Power Supply Requirements

To calculate the power requirement for the DPI200+ and the M200 system as a whole see the M200+ Installation Manual.

DPI200+ DIP Switch Selections

DIP Switch Setting (SW1)	Logical Address	DIP Switch Setting (SW1)	Logical Address
	8		128
	8		136
	16		144
	24		152
	32		160
	40		168
	48		176
	56		184
	64		192
	72		200
	80		208
	88		216
	96		224
	104		232
	112		240
	120		248

Testing

To test the DEP200+/DPI200+ you must have installed and tested the controller (C200+) and at least one M200+.

Tests.

1. Press the call button on the DEP200+.
2. Make an M200+ a master unit.
3. Check an alarm call is made from the correct address.
4. Connect and cancel the alarm from the M200+ unit.

Specifications

DPI200+

Supply Voltage	(Maximum)	28V D.C.
	(Minimum)	18V D.C.
Supply Current Idle	(Maximum)	60mA
Supply Current Alarm	(Maximum)	100mA
Weight		1.5Kg
Size	Height	240mm
	Width	192mm
	Depth	50mm

DEP200+

Materials:	Stainless Steel Panel	
	Zintec Back box	
Panel Size	Width	107mm
	Height	255mm
Back Box Size	Width	90mm
	Height	240mm
	Depth	55mm
Weight		1.15Kg

Bell System (Telephones) Ltd reserves the right to change these specifications without notice.



Products comply with EMC directive 89/336/EEC

Standards

Emissions: Generic BSEN50081-1

Immunity: Generic BSEN50082-1 (IEC801-2, IEC801-6)