

DBCCP – Digital Bed Call Cancel Point 800-659A1.PCB

Overview

The Digital Bed Call Cancel Point communicates to the ScanAlert Bus of the Alert Call System. The call plate utilises a centre position push button call switch and a lower position socket for receiving a flexible pendant lead. All call points are digitally linked together providing a simplified installation and connection to the central system (Digital Signal Driver).

Once operated the unit will produce a momentary voltage on the "E" terminal, and will latch the LED on front of the panel. This will produce a voltage on the "O" terminal to operate an over door light if required. DIP switches on the PCB will change the operating conditions as listed in the table below.



Key Features

- Up to 500 Digital Call Points can be installed to one system driver.
- Call can be elevated to an Assist or Emergency call, during a call.
- Assist call is initiated 5 seconds after a pendant cord is accidentally removed.
- Expansion past 500 DBCCP's is possible by expanding the system driver.
- Each Call Point has its own unique digital identification.
- Outputs are optically isolated giving greater immunity to static discharge.

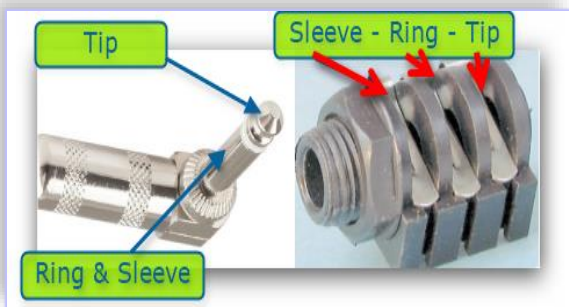
Technical Notes:

The address DIP switch 1 uses BCD configuration to configure the call point identification from 1 to 500.

Take care to ensure that the Digital Signal Driver (DSD) is set to optimally handle your required address range and features. Setting the correct features allow for a faster scan rate, a longer display presentation time for assist calls etc. See the DSD manual for further information on this. The assist number range is obtained by dropping the 8th bit of your BCD to zero. Example call ID of 127, will be dropped to ID 1 when shifted to an assist call.

Please press the cancel button whenever a DIP switch position is altered during set-up.

Assist on Cord Removal



feature.

By utilising a 6.5mm phono connector on the pendant lead, we are able to initiate an assist call if the lead has been removed for longer than 5 seconds. This would give enough time to swap a lead without raising an assist call during maintenance or lead replacement. If the pendant cord is removed while a call is being presented from this call point, the system will immediately be moved to assist.

The "ring" and "sleeve" of the pendant connector must be normally at 0v potential, and the 4 way function dip Switch 2 must have position 1 on for this

Function Settings - Dip Switch2

Switch 2				Pendant	Call	Cord	Remote
1	2	3	4				
0	0	0	0	C	C	X	C
1	0	0	0	C	C	A	C
0	1	0	0	C	C	X	A
1	1	0	0	C	C	A	A
0	0	1	0	A	C	X	C
1	0	1	0	A	C	A	C
0	1	1	0	A	C	X	A
1	1	1	0	A	C	A	A
0	0	0	1	C	A	X	C
1	0	0	1	C	A	A	C
0	1	0	1	C	A	X	A
1	1	0	1	C	A	A	A
0	0	1	1	A	A	X	C
1	0	1	1	A	A	A	C
0	1	1	1	A	A	X	A
1	1	1	1	A	A	A	A

Function dip switch (2) table 1 shows the level of call raised when the Assist features are initiated according to the switch position.

C = Call
 A = Assist
 X = Don't Care

TABLE 1

Terminal Connections

- A** Ground or 0v terminal
- B** Positive or +12v terminal. Max voltage of 14v.
- C** Reply terminal. Used by system controller to identify which call point is active.
- D** Clock terminal. Used by call point to synchronise its ID.
- E** Buzzer terminal. Pulses high for 1 second duration once a call button is pushed.
- O** Over door light terminal. Active high, can supply 12v @ 1 amp.
- P** Remote pendant input. Active high.

Circuit Diagram

