HOW TO:

BALDWIN BOXALL
LEADING THE WAY TO SAFETY

How to diagnose an OmniCare PSU board fault

Product Range:	OmniCare
Product Code (if applicable):	BVOC4M / BVOC4MS / BVOC8M / BVOC8MS / BVOC16M / BVOC16MS / BVOC32M / BVOC32MS / BVOC48 / BVOC48S / BVOC64 / BVOC64S / BVOC80 / BVOC80S / BVOC96 / BVOC96S / BVOC112 / BVOC112S / BVOC128 / BVOC128S

Description of activity:	Diagnosing a PSU board fault
Descriptions of likely faults:	• Lack of audio on the system, no audio from control panel to EVERY device. • Not powering the system. • Processor fault. • Battery high/low fault.

Please Note: "Inspection and servicing needs to be carried out by a competent person with specialist knowledge of the equipment used. This will normally be an outside organization; care needs to be taken to ensure that, if, for example, in-house employees are used for this task, they have equivalent competence to the technicians of a typical servicing organisation." (BS5839-9).

Description of rectification works:

ENSURE WHEN POWERING OFF THE SYSTEM TAKE THE BATTERIES OFF FIRST THEN THE MAINS AND WHEN POWERING BACK ON PUT THE BATTERIES ON FIRST THEN MAINS TO NOT CREATE A FUSE FAULT.

1. No outward audio from control panel suggests SA571 microphone chip has failed. Replace board. Also check volume pot is not turned fully anti clockwise.

2. Remove blue connection block from card, check voltage from transformer, should be 30VDC

3. Fuse fault, check all 3 fuses on board, if ok down power system including batteries, wait 10 seconds and re connect batteries first, (this will not power the panel) re apply mains supply and press reset. Does fuse fault extinguish?

4. Processor fault could be a Q1233 zone board. Remove power, disconnect ribbon cable from all Q1233 boards except 1. Re apply power. If processor fault remains it may be the connected Q1233 board? Eliminate all boards in same way, if processor fault light extinguishes with all other boards checked then 1st board connected was the problem, replace Q1233 board.

5. If light remains with all Q1233 board connected individually then Q1321 board is faulty, replace Q1321 board

6. Check battery fuse link is ok. Batteries are connected to the Q1321 board. Check battery voltage. Replace batteries..
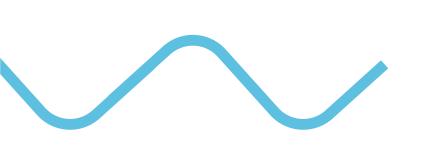
For further help:

Manuals & Guides: Technical manuals, installation guides and more are available for download on our website: baldwinboxall.co.uk/downloads.

Telephone: Technical help line (0)1892 664422 (then press 2 for after sales technical help).

Training: We hold a range of courses. To find out more, or place a booking, please call us or visit our website: baldwinboxall.co.uk/training.

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