

New Mains Distribution Product from dB Broadcast

Control with Intelligence

2nd July 2014



Cambridgeshire, UK – dB Broadcast have launched an upgraded version of their industry leading intelligent mains distribution unit. The latest Cardinal iMDU is now capable of handling inrush currents of up to 200A at switch on and 60A per individually switched output. Both dual input and single input versions of the Cardinal iMDU now benefit from this improved design.

Modern high efficiency switch mode PSU's can exhibit very high inrush currents even though their steady state load may be just a few amps. dB Broadcast recognised that equipment manufacturers are increasingly making use of switch mode power supplies and that customers need inrush current protection in their equipment rack mains distribution design. dB Broadcast have responded by incorporating an inrush limiting circuit that restricts the current at switch on to 40A and by fitting high inrush rated relays for the 12 individually switched mains outputs.

In addition to the new inrush current capabilities, the Cardinal iMDU provides intelligence for mains distribution with features such as an intuitive web based user interface to remotely configure and control outputs, SNMP traps and e-mail messaging that can send alerts when faults occur, including loss of supply power and blown fuses. The units have an error log to record events, GPIO handling and



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an optional external temperature and humidity sensor to monitor environmental conditions in the equipment rack.

dB's Cardinal iMDU provides a comprehensive solution for remote control and management of power distribution to a wide range of broadcast equipment.

“The upgraded specification of the Cardinal iMDU range means it can now cope with a greater range of modern broadcast equipment. It is a great choice for system managers wanting to make sure their installations are ready for the demands made by current and future equipment”, says Tom Swan, Sales and Marketing Director at dB Broadcast.

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About dB Broadcast

dB Broadcast (dB) is one of the UK's largest and most successful independent systems integrators. dB is expert in broadcast system design and installation from studio through to transmission. With purpose-built headquarters in Cambridgeshire, UK, dB has 22,000 square feet of space for prefabrication and test of customer systems.

dB also designs and manufactures products for the broadcast industry including: Hawkeye for switching and monitoring all types of broadcast signals, MERlin DVB-T2 and DVB-T monitoring receivers, Showman multi-standard analogue TV receiver/demodulator and the Cardinal range of mains distribution units (MDUs).

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System integration from studio through to transmission



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