

NOTES:

DALI IS AN INTERNATIONAL STANDARD LIGHTING CONTROL SYSTEM. THE SCHEMATIC DIAGRAM SHOWS A DALI NETWORK (DALI-01) POWERED BY A DALI POWER SUPPLY. THE 8 LIGHT FITTINGS (ADDRESSED FROM 00 TO 07) CAN BE ANY LIGHT FITTING FROM ANY MANUFACTURER FITTED WITH A DALI ECG (ELECTRONIC CONTROL GEAR). DALI ECGS ARE AVAILABLE FOR FL AND CFL LAMPS, DISCHARGE LAMPS, LOW VOLTAGE HALOGEN LAMPS, INCANDESCENT LAMPS, LEDs, EMERGENCY LIGHTS ET C. THE LIGHT FITTINGS ARE CONTROLLED BY DALI ECDs (ELECTRONIC CONTROL DEVICES) SUCH AS DALI WALLPLATES AND DALI SENSORS FROM ANY MANUFACTURER INCLUDING DALI CONTROL'S DC100 SERIES OF DALI CONTROL DEVICES.

DALI CAN ALSO CONTROL LEGACY LIGHT FITTINGS INCLUDING FIXED OUTPUT, ANALOG 1 TO 10V AND DSI DIMMABLE FITTINGS. REFER TO DRAWING DALI-1014.



Simple DALI Room Control Schematic

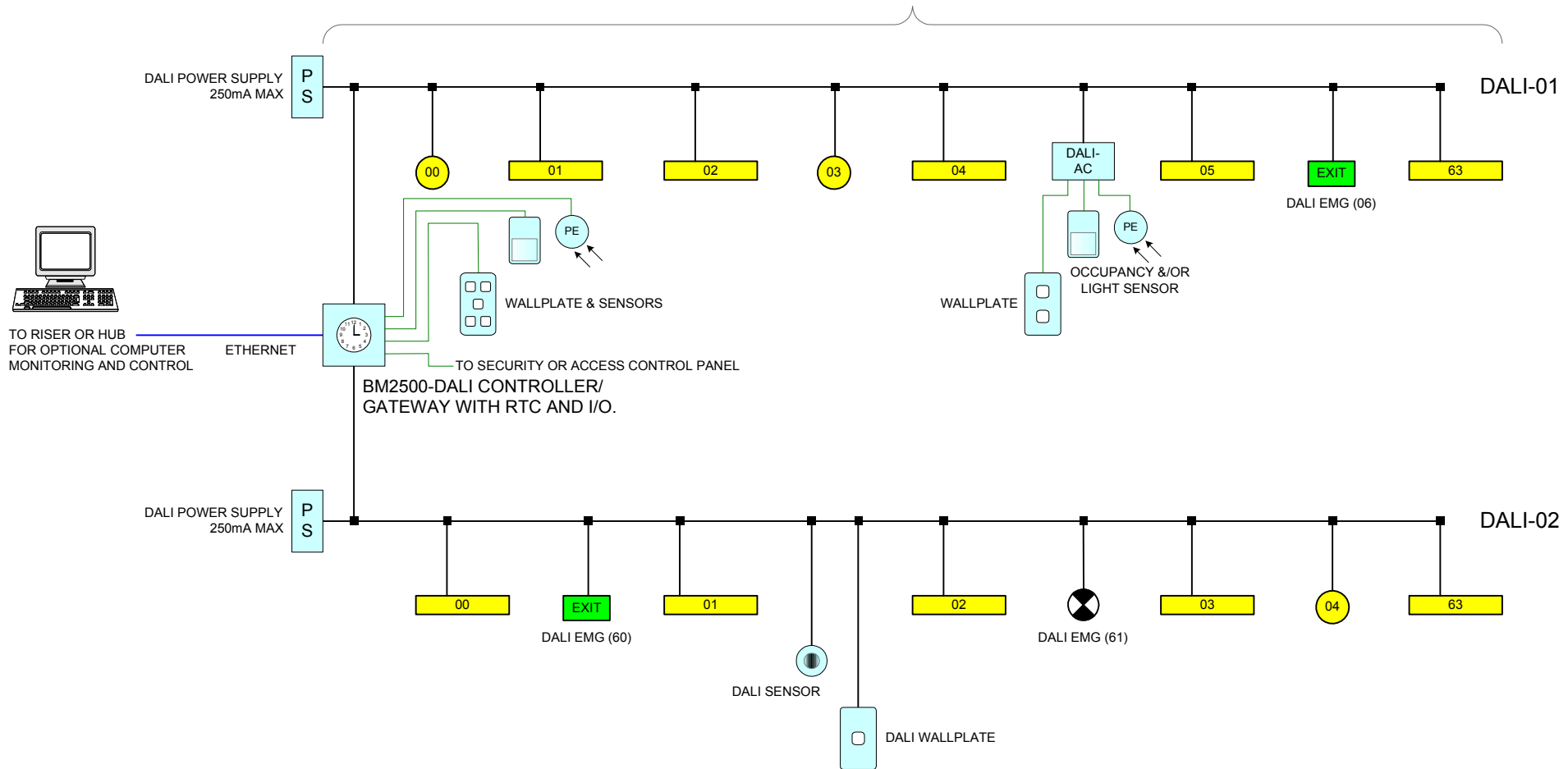
DRG NO: DALI-1011

DATE: 30-JUN-2007

REV NO: B

www.dalicontrol.com

MAX. 64 ADDRESSES PER DALI LOOP. MAX 300m.



NOTES:

THE BM2500-DALI CONTROLLER/GATEWAY MANAGES TWO DALI NETWORKS. THE CONTROLLER INCLUDES SCHEDULING, 16 INPUTS, 2 OUTPUTS AND AN RJ45 ETHERNET NETWORK SOCKET FOR COMPUTER MONITORING AND CONTROL.

INPUTS ON THE BM2500-DALI CAN BE USED FOR WALLPLATES, SENSORS AND INTERFACING TO SECURITY AND ACCESS CONTROL PANELS ETC.

EACH DALI NETWORK REQUIRES A DALI-PS POWER SUPPLY AND A DALI INTERFACE.

THE DALI-AC AREA CONTROLLER CONTROLS A DALI GROUP BASED ON INPUTS FROM STANDARD SWITCHES AND SENSORS.



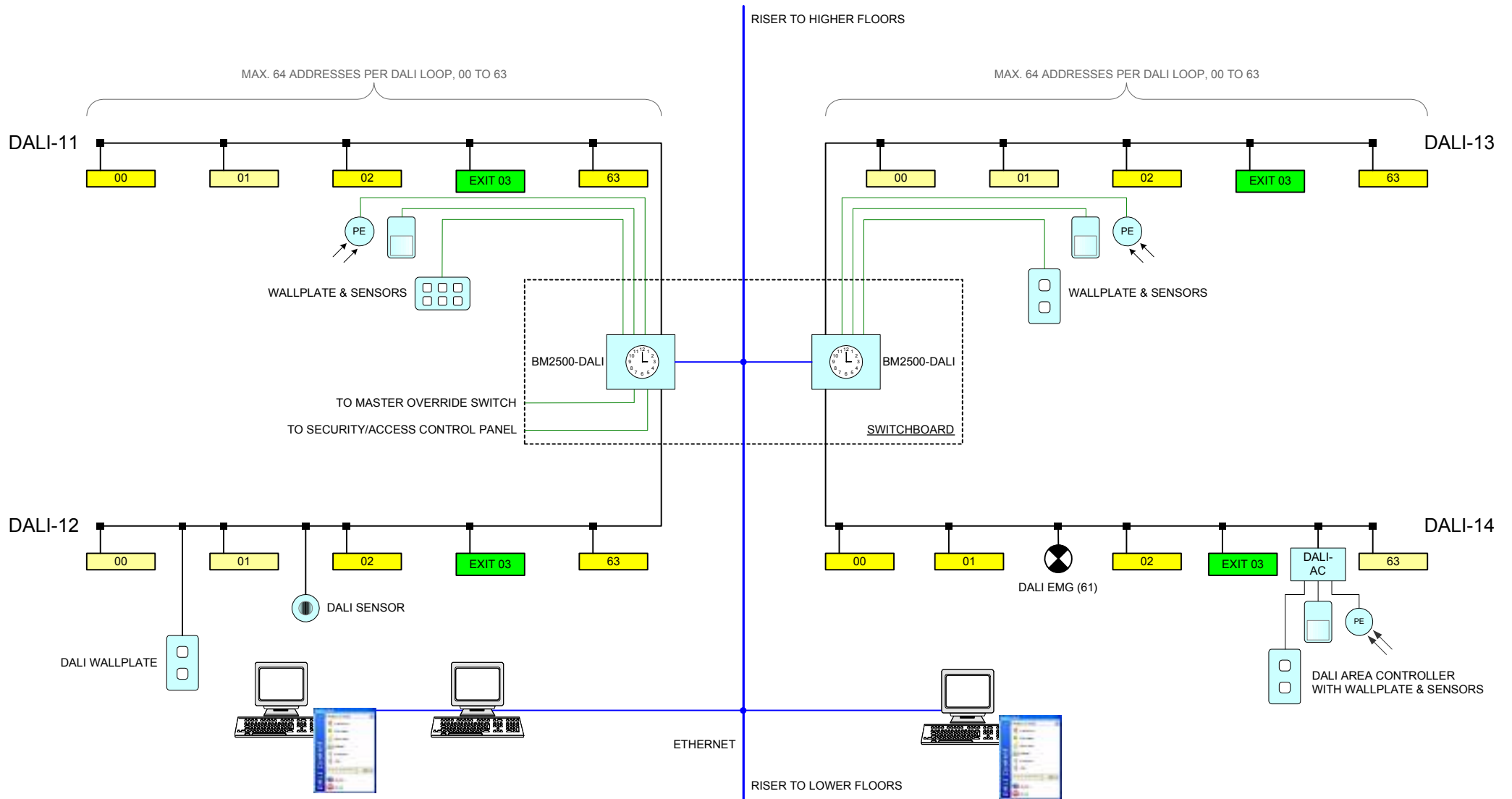
Floor Control Schematic

DRG NO: DALI-1012

DATE: 30-JUN-2007

REV NO: C

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NOTES:

THE BM2500-DALI NETWORK CONTROLLER/GATEWAY MANAGES TWO DALI NETWORKS AND INCLUDES SCHEDULING, 16 INPUTS, 2 OUTPUTS AND AN RJ45 ETHERNET SOCKET FOR COMPUTER MONITORING AND CONTROL. THE SWITCHBOARD CONTAINS BM2500-DALI CONTROLLER/GATEWAYS, DALI POWER SUPPLIES AND DALI INTERFACES.



Building Control Schematic

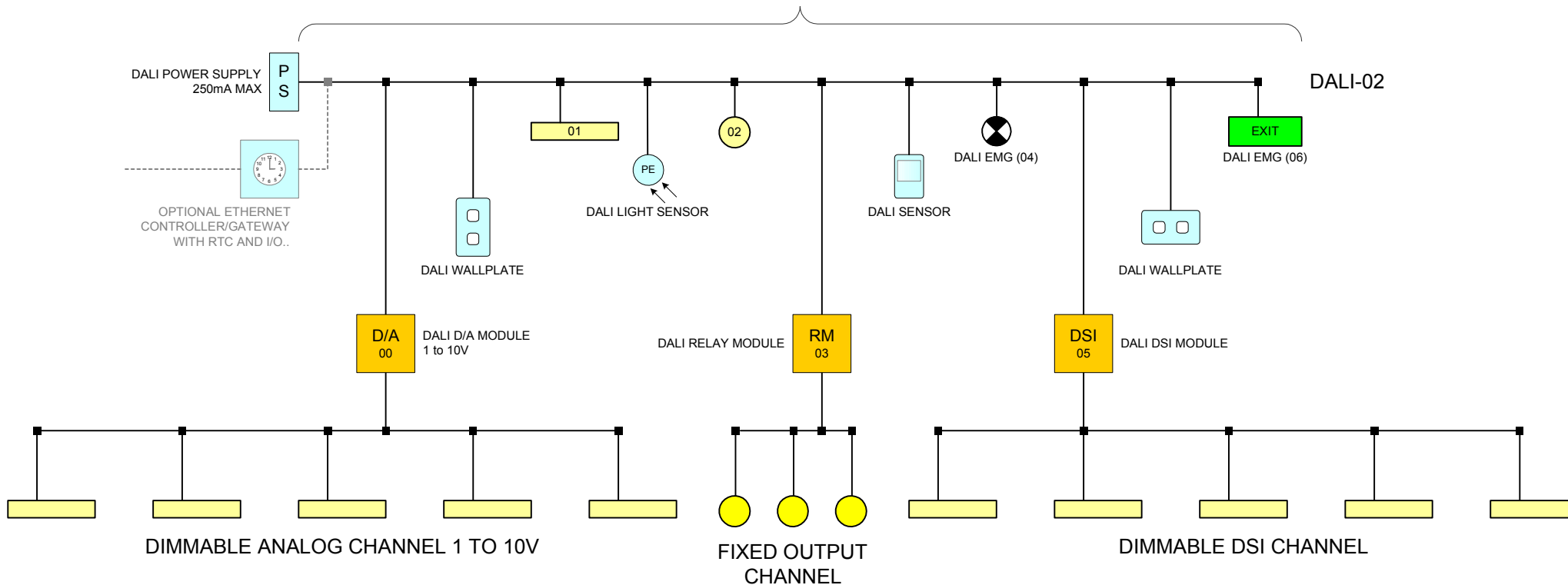
DRG NO: DALI-1013

DATE: 30-JUN-2007

REV NO: B

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MAX. 64 ADDRESSES PER DALI LOOP, MAX. 300m



NOTES:

THE SCHEMATIC DIAGRAM SHOWS A DALI NETWORK (DALI-02) POWERED BY A DALI POWER SUPPLY.

THE DALI NETWORK INCLUDES 7 ADDRESSED DEVICES (00 TO 06) CONSISTING OF DALI LIGHT FITTINGS (01, 02), MONITORED DALI EMERGENCY FITTINGS (04, 06) AND DALI MODULES (00, 03, 05) TO CONTROL HARD-WIRED CHANNELS OF LEGACY LIGHT FITTINGS.

A SINGLE DALI NETWORK CAN BE USED TO CONTROL UP TO 64 CHANNELS OF LEGACY FITTINGS.

THE LIGHT FITTINGS ARE CONTROLLED BY DALI ECDs (ELECTRONIC CONTROL DEVICES) SUCH AS DALI WALLPLATES AND DALI SENSORS FROM ANY MANUFACTURER INCLUDING DALI CONTROL'S DC100 SERIES OF DALI CONTROL DEVICES.



Legacy Fittings Control Schematic

DRG NO: DALI-1014

DATE: 30-JUN-2007

REV NO: A

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NOTES:

THE BM2500-DALI NETWORK CONTROLLER/GATEWAY MANAGES TWO DALI NETWORKS. EACH BM2500-DALI INCLUDES SCHEDULING, 16 INPUTS, 2 OUTPUTS AND AN RJ45 ETHERNET SOCKET FOR COMPUTER MONITORING AND CONTROL.

EACH DALI NETWORK REQUIRES A DALI-PS POWER SUPPLY AND A DALI-IF INTERFACE.

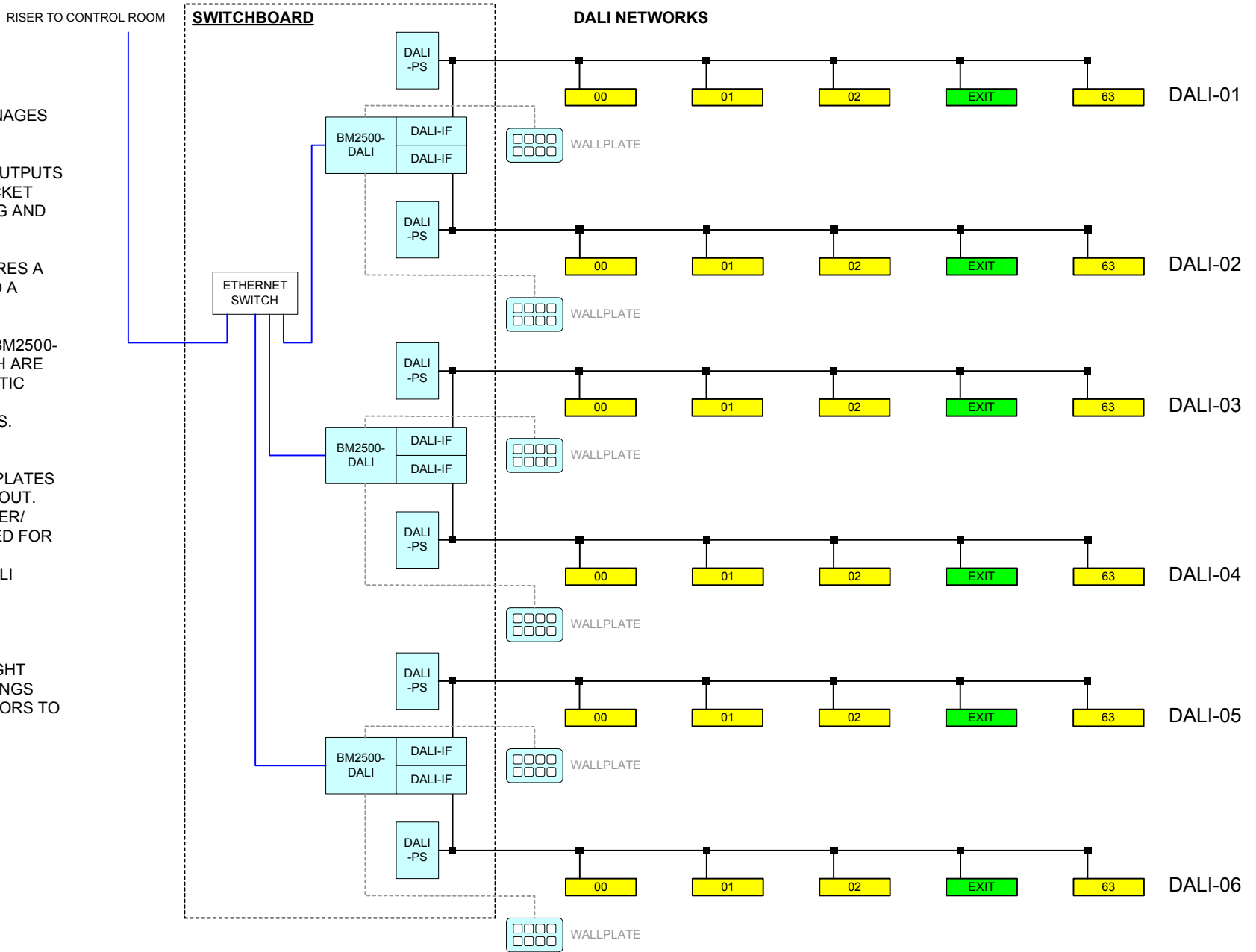
POWER SUPPLIES FOR THE BM2500-DALI, AND ETHERNET SWITCH ARE NOT SHOWN IN THE SCHEMATIC DIAGRAM. REFER TO WIRING DIAGRAMS FOR FULL DETAILS.

BASE FITOUT

THE DIAGRAM SHOWS WALLPLATES FOR A BAREBONES BASE FITOUT. THE BM2500-DALI CONTROLLER/GATEWAY IS PRECONFIGURED FOR AN 8-GANG WALLPLATE TO CONTROL 8-GROUPS PER DALI NETWORK.

TENANCY FITOUT

FOR A TENANCY FITOUT THE SYSTEM WOULD INCLUDE LIGHT FITTINGS, EMERGENCY FITTINGS AND WALLPLATES AND SENSORS TO SUIT THE INSTALLATION.



Typical Switchboard Schematic

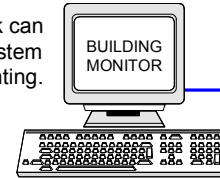
DRG NO: DALI-1015

DATE: 30-JUN-2007

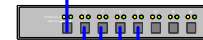
REV NO: B

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Any computer on the network can be used to administer the system or to control lighting.



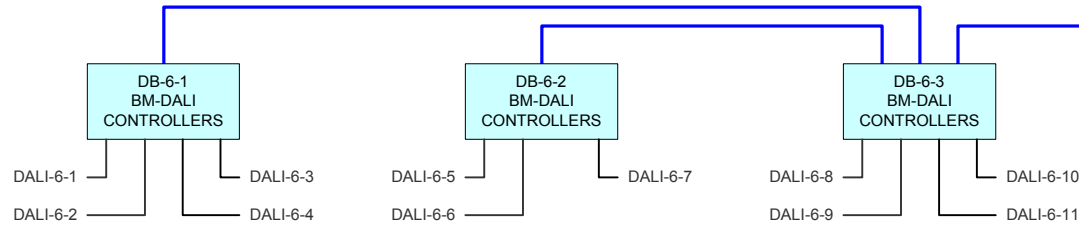
ETHERNET SWITCH



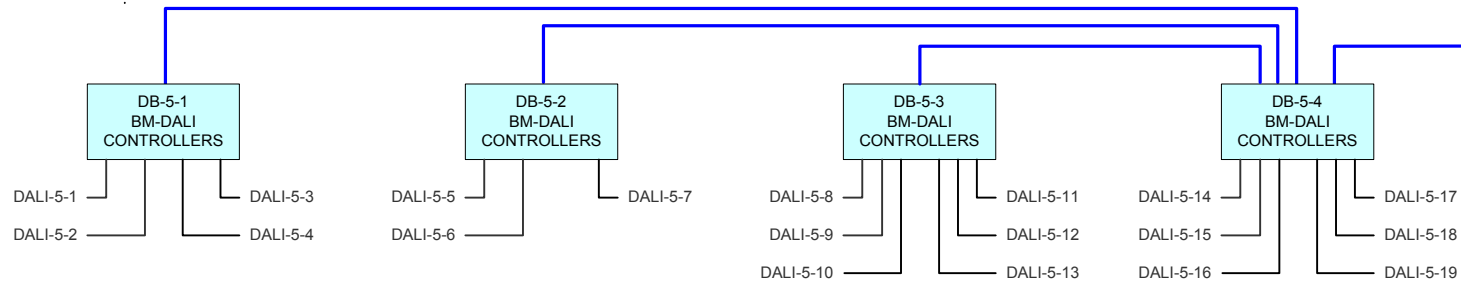
RISER CAT5E CABLE

TO NEXT LEVEL

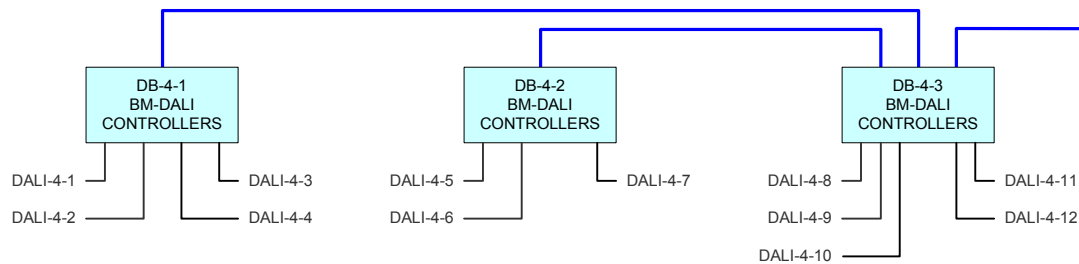
LEVEL 6



LEVEL 5



LEVEL 4



DALI Control Communications Overview

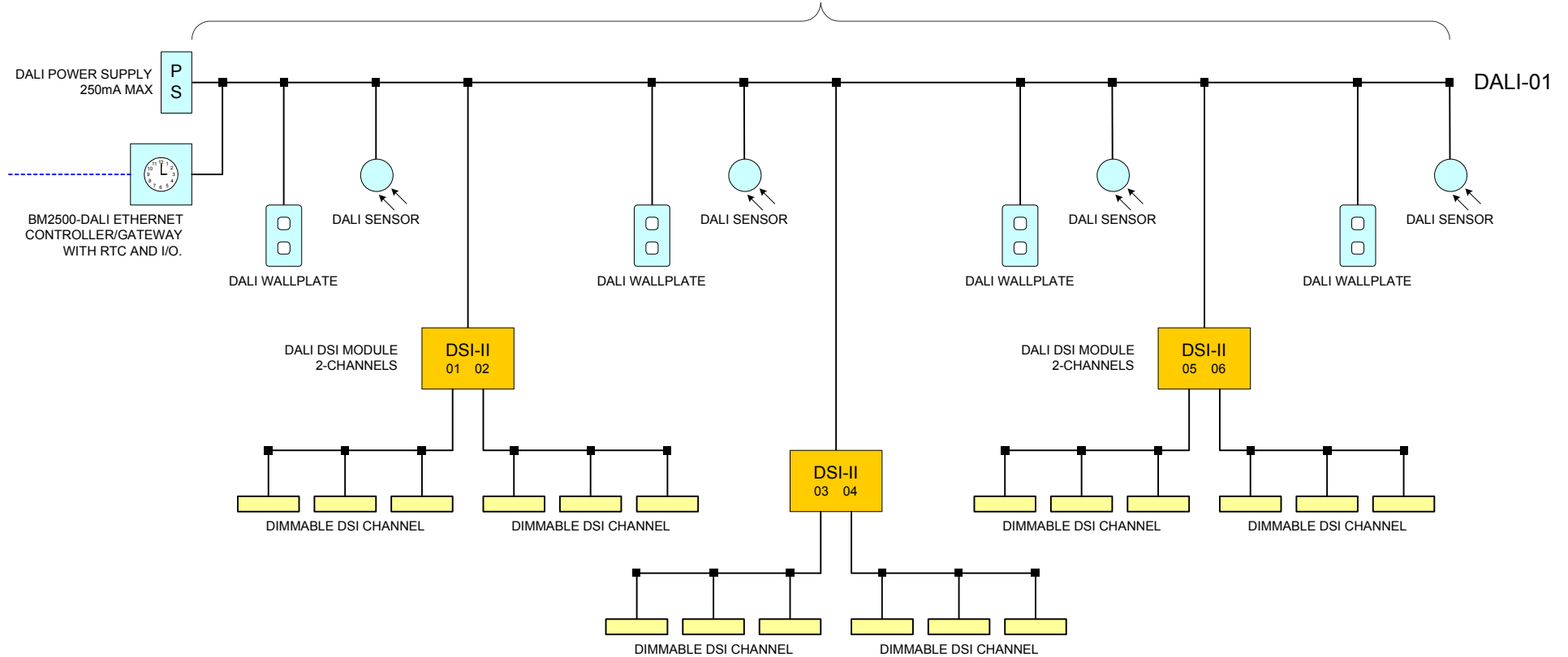
DRG NO: DALI-1016

DATE: 14-NOV-2007

REV NO:

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MAX. 64 ADDRESSES PER DALI LOOP, MAX. 300m



NOTES:

THE SCHEMATIC DIAGRAM SHOWS A DALI NETWORK (DALI-01) POWERED BY A DALI POWER SUPPLY. THE DALI NETWORK INCLUDES 6 ADDRESSED CHANNELS OF DSI LIGHT FITTING (01 TO 06).

A SINGLE DALI NETWORK CAN BE USED TO CONTROL UP TO 64 CHANNELS OF DSI FITTINGS.

THE LIGHT FITTINGS ARE CONTROLLED BY DALI ECDs (ELECTRONIC CONTROL DEVICES) SUCH AS WALLPLATES AND SENSORS AND DALI CONTROL'S BM-DALI SERIES OF CONTROLLER/GATEWAYS.



DALI/DSI Control Schematic

DRG NO: DALI-1017

DATE: 30-JUN-2007

REV NO: A

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