

NOTES: (UNLESS OTHERWISE SPECIFIED)

- REFER TO BILL OF MATERIALS FOR INCLUDED ACCESSORIES AND EQUIPMENT NOT SHOWN ON THESE DRAWINGS. REFER TO DEVICE INSTALLATION MANUAL FOR ADDITIONAL INFORMATION.
- WHEREVER CONTROL WIRES SHOWN MUST BE RUN CLOSE TO CLASS 1 REMOTE CONTROL AND SIGNALING CIRCUITS AND/OR ELECTRICAL LIGHT AND POWER CIRCUITS, THESE CONTROL WIRES MUST BE RUN IN SEPARATE METAL CONDUIT.
- PROVIDE AN EQUIPMENT GROUND, AS REQUIRED BY THE NATIONAL ELECTRICAL CODE, BETWEEN BUILDING SERVICE ENTRANCE AND LIGHT SYSTEM CONTROL EQUIPMENT.
- THIS DRAWING DOES NOT INDICATE THE NUMBER OR SIZE OF CONDUITS REQUIRED, BUT THE SEPARATION OF GROUPS OF WIRES. INTERCONNECTING WIRE AND CONDUIT ARE NOT BY COLOR KINETICS.
- 3 1/2" DEEP INDUSTRY STANDARD GANG BACK BOXES NOT PROVIDED BY COLOR KINETICS. BACK BOXES MUST BE GROUNDED.
- THE INTERFACE OF COLOR KINETICS EQUIPMENT WITH EQUIPMENT BY OTHERS IS THE SOLE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR / SYSTEM INTEGRATOR. COLOR KINETICS ASSUMES NO RESPONSIBILITY FOR THE FUNCTIONALITY OF EQUIPMENT BY OTHERS AS IT RELATES TO THIS SYSTEM.
- CABLE RUNS ARE CONTINUOUS BETWEEN CONNECTED DEVICES. NO SPLICING UNLESS SPECIFICALLY STATED IN INSTALLATION GUIDE.
- AMPERAGE RATING OF MAIN DISCONNECT TO BE DETERMINED AND PROVIDED BY OTHERS WHERE APPLICABLE.
- DMX CABLE RUN FROM END TO END, INCLUDING PLUG-IN CABLE(S), NOT TO EXCEED 1000 FEET. DAISY CHAIN ONLY, NO STARRING ALLOWED.
- DMX INPUT DEVICES ON DAISY CHAIN MAY ONLY BE USED ONE AT A TIME. MULTIPLE DEVICES MAY NOT BE PLUGGED-IN TO MULTIPLE DMX INPUT LOCATIONS WITH THIS TOPOLOGY.
- iPLAYER 3 CAN SUPPORT TWO DMX UNIVERSES. USE "DMX 1" FOR SINGLE UNIVERSE APPLICATIONS. REFER TO iPLAYER 3 USER GUIDE FOR ADDITIONAL FEATURES.
- USE A THIRD PARTY DMX REPEATER ON EVERY 32nd DATA ENABLER IN THE DAISY CHAIN OR WHEN THE TOTAL DMX DATA RUN EXCEEDS 1000 FEET (300m). REFER TO THE "RECOMMENDED PRACTICES FOR DMX512" FOR FURTHER INFORMATION REGARDING INSTALLATIONS UTILIZING DMX512.
- CAT-5e, NETWORK CABLE INSTALLATION BY CERTIFIED NETWORK SYSTEMS CONTRACTOR ONLY.
- CONTRACTOR TO CERTIFY NETWORK TRANSMISSION.
- LIGHTING CONTROL USING SERIAL PROTOCOLS ARE LIMITED TO A TOTAL LENGTH OF 50 FEET. SYSTEM REQUIRES ASCII COMMAND STRINGS FROM THIRD PARTY DEVICES.
- IF THERE IS A DISCREPANCY BETWEEN DRAWINGS AND THE INSTALLATION MANUAL, THE MANUAL SHALL TAKE PRECEDENCE OVER DRAWINGS.
- NOT USED

- 18 TO CALCULATE THE NUMBER OF LUMINAIRES PER DATA ENABLER FOR YOUR CUSTOMIZED INSTALLATION, REFER TO THE CONFIGURATION CALCULATOR LOCATED AT WWW.COLORKINETICS.COM/SUPPORT/INSTALL_TOOL
- 19 THE LAST DMX DEVICE IN A RUN MUST HAVE A TERMINATOR.
- 20 MAXIMUM RUN LENGTH NOT TO EXCEED 9 VOLT DROP FROM DATA ENABLER TO LAST LUMINAIRE IN DATA RUN.

WIRE RUNS NOT BY COLOR KINETICS

- 1 LINE: 15AMP, 100VAC-240VAC, 2 WIRE PLUS GROUND, 50/60Hz.
- 2 (1) CKDMX CABLE: PER WIRING CHART, LABELED PER DRAWING.
- 3 (1) SERIAL CABLE: PER WIRING CHART, LABELED PER DRAWING.

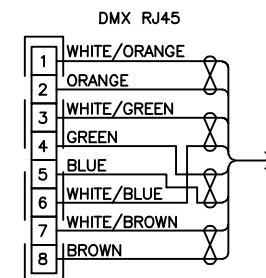
CABLES PROVIDED BY COLOR KINETICS

- 1 POWER CORD WITH NEMA 5-15P PLUG.
- 2 SERIAL CONTROL DATA CABLE
- 3 POWER-DATA LEADER CABLE. NUMBER AND LENGTH AS SPECIFIED ON BILL OF MATERIALS.
- 4 USB DATA CABLE FOR USE WITH CONFIGURING AND DOWNLOADING SHOWS TO IP3.
- 5 JUMPER CABLE IN 1 FOOT AND 5 FOOT LENGTHS SEE BILL OF MATERIAL FOR QUANTITIES.

CABLE WIRING CHARTS

DMX CABLE WIRING CHART. FOR "DMX" CABLE RUNS. BELDEN 7924A STRANDED Cu ENHANCED CAT5e, 4 TWISTED PAIR.

WIRE COLOR CODE	PIN NO.	FUNCTION
WHITE/ORANGE STRIPE	1	D+
ORANGE	2	D-
WHITE/GREEN STRIPE	3	SHLD
BLUE	4	-
WHITE/BLUE STRIPE	5	-
GREEN	6	COM
WHITE/BROWN STRIPE	7	-
BROWN	8	-



RS-232 CABLE WIRING CHART. FOR "SC" CABLE RUNS. BELDEN 8163 STRANDED Cu RS232/422, 3 TWISTED PAIR.

PR#	WIRE COLOR CODE	PIN NO.	FUNCTION
1	BLACK	5	COM
	RED	4	+5VDC
2	BLACK	-	NC
	WHITE	2	Tx
3	BLACK	-	NC
	GREEN	3	Rx



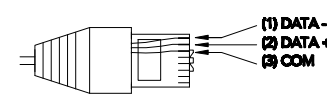
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DATA TERMINATOR



PLACE IN DMX LOOP OUT PORT OF POWER/DATA SUPPLY WHEN REQUIRED (SEE NOTES)

CAT5/RJ45 PINOUT



TITLE:

SYSTEM WIRING DIAGRAM (TYP)

PRODUCTS:

COLORCAST 14 / DATA ENABLER / iPLAYER 3 / KEY PAD

DATE: 8-13-2007

DWG. BY: BHG

SCALE: NTS

REV: MNC: 11-21-2007

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