

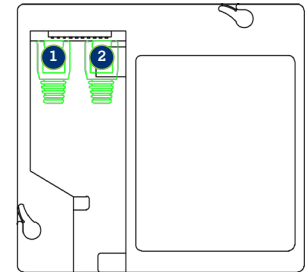
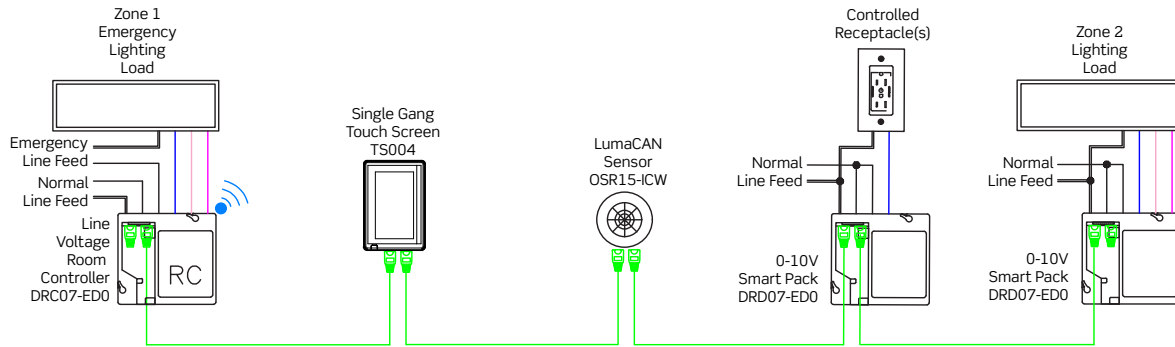
GreenMAX® DRC Room Controller Power Supply Updates

GreenMAX® DRC Room Controllers (DRC07-Exx/DRC00-0D0) have been updated with IN (data only) and OUT ports (data and 24VDC power). This improves how power is distributed across the LumaCAN network. This application note summarizes the updates and design rules to remember.

> Design Rules to Remember

- 1x Room Controller per room/area
 - Must be first device in a LumaCAN network segment
- 1x LumaCAN Power Supply per network segment

> Wiring Diagram Example



For DRC07-Exx, DRC00-0D0:
 (1) IN Port = data only
 (2) OUT Port = data and 24VDC power

> Power Consumption Values

LOW VOLTAGE CURRENT DRAW		POWER SUPPLIES	
Low Voltage Room Controller (DRC00-0L0)	155mA	GreenMAX DRC Room Controller (DRC07-Exx)	300mA
Digital Switch (DRKDN)	55mA	GreenMAX DRC Power Supply (DRC00-0D0)	500mA
Digital Sensor (OSR05-ICx, OSR15-MCx)	25mA	LumaCAN Power Supply (PST24-R41)	3 * 1500mA on RJ45 4100mA Max
2-Port AI (DRID0)	25mA + connected device consumption	<ul style="list-style-type: none"> • Full capacity available on terminals • Commonly used with 6-Port Repeater (NPRPT-6) 	
LumaCAN to DALI Gateway (DRCDD)	60mA	LumaCAN Power Inserter (DRAD0-PIN) with External Power Supply	1500mA
Phase Control Dimmer (DRDDP-A40)	225mA		
Phase Control Dimmer (DRDDP-A20)	0mA		
Smart Pack (DRD07-ED0)	0mA		
LCD Touch Screen (TS004)	165mA		

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