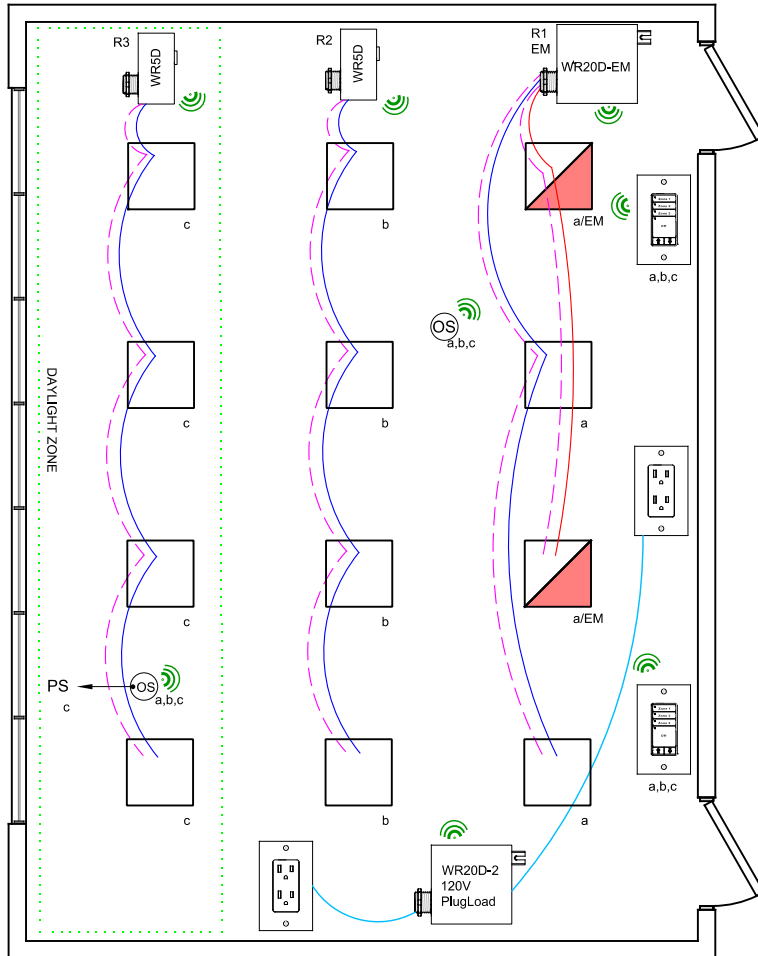


# OPEN OFFICE ASHRAE DESIGN GUIDE 90.1 - 2013 3-Zone Control WR5D, WR20D-EM, Plugload Wireless-Direct-Link



WIRE LEGEND	
	Power 120/277
	Emergency Lighting
	120V Plug Load
	0-10V Dimming
	ILC 915Mhz radio

Bill Of Material:		
Qt:	Product:	Description:
2	WR5D	Wireless 5 Amp dimming relay
1	WR20D-EM	Wireless 20 Amp Emergency relay with dimming
1	WR20D-2	Wireless 20 Amp, 2-load dimming relay for plugloads
2	LSG3-W-WH-3-MZD	LightSync G3 Wireless 3-Zone dimming digital switch station.
2	WCS-DT-10	Wireless Ceiling Sensor Dual Tech - 1000sf with daylight dimming photo sensor

**OVERVIEW:**

Wireless devices are wireless-direct-linked to the control relay. Standard G3 switch and sensor control operations are automatic.

**RADIO DISTANCE:**

Wireless radio distance is 100 feet line-of-sight. Radio distance is reduced through a standard construction wall, brick walls will reduce range further. Steel wall coverings, doors, and obstructions such as HVAC steel vent ducts or steel enclosures will block the radio signal.

**SEQUENCE OF OPERATION:**

Lights Automatically turn on with occupancy sensor, or can be turned on at digital switch station. Sensor input can be changed to off-only for vacancy operation. Dimmer outputs provide smooth full range control, zones can be triggered to 50% dimmer level from occupancy or digital switch, adjustable start level and local control. Digital switch station provides individual zone on/off control and dimming, plus dimming all zones as one. Photo Sensor monitors daylight and limits the maximum light level in the daylight zone, multiple zones can be controlled from one sensor with independent level settings for each. Plug load relays are auto-on/off form occupancy.

**ADDITIONAL OPTIONS:**

Wireless devices can be linked to a LLEVO-W wireless controller for networking the controls.

**CODE REQUIREMENTS SUPPORTED:**

- Auto-Off from Occupancy sensor
- Multi-Level Dimming control
- Multi-Level Daylight control
- Local Switch control w/dimming
- Plug-Load control