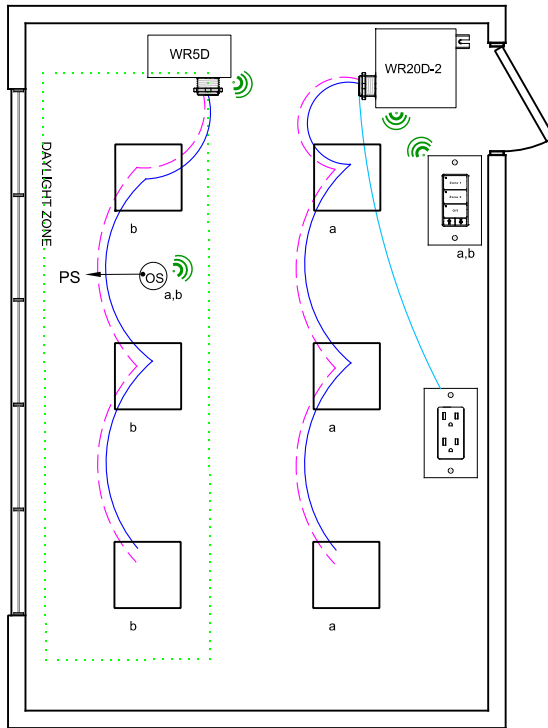


# PRIVATE OFFICE WITH WINDOW

## ASHRAE DESIGN GUIDE 90.1 - 2013

### 2-Zone Control with Plug Load

#### WR20D-2, WR5D Wireless-Direct-Link



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

Bill Of Material:		
Qt:	Product:	Description:
1	WR20D-2	Wireless 20Amp, 2-load dimming relay
1	WR5D	Wireless 5Amp dimming relay
1	LSG3-W-WH-2-MZD	LightSync G3 Wireless 2-Zone dimming digital switch station.
1	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 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 obstacles such as HVAC steel vent ducts or steel enclosures will block the radio signal.

#### SEQUENCE OF OPERATION:

Lights turn on at digital switch station. Occupancy sensor input set for vacancy-off control, can be changed to on/off with adjustable dim level per zone. Dimmer outputs provide smooth full range control, zones can be set for adjustable start level from occupancy or digital switch. Digital switch station provides individual zone on/off control and dimming, plus dimming for 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. (Not required for spaces without side lit area < 250Ft and a 150W in primary daylight zone, or 300w in the primary and secondary daylight zones).

#### 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 Daylight control  
Local Switch control w/dimming  
Plug-Load control