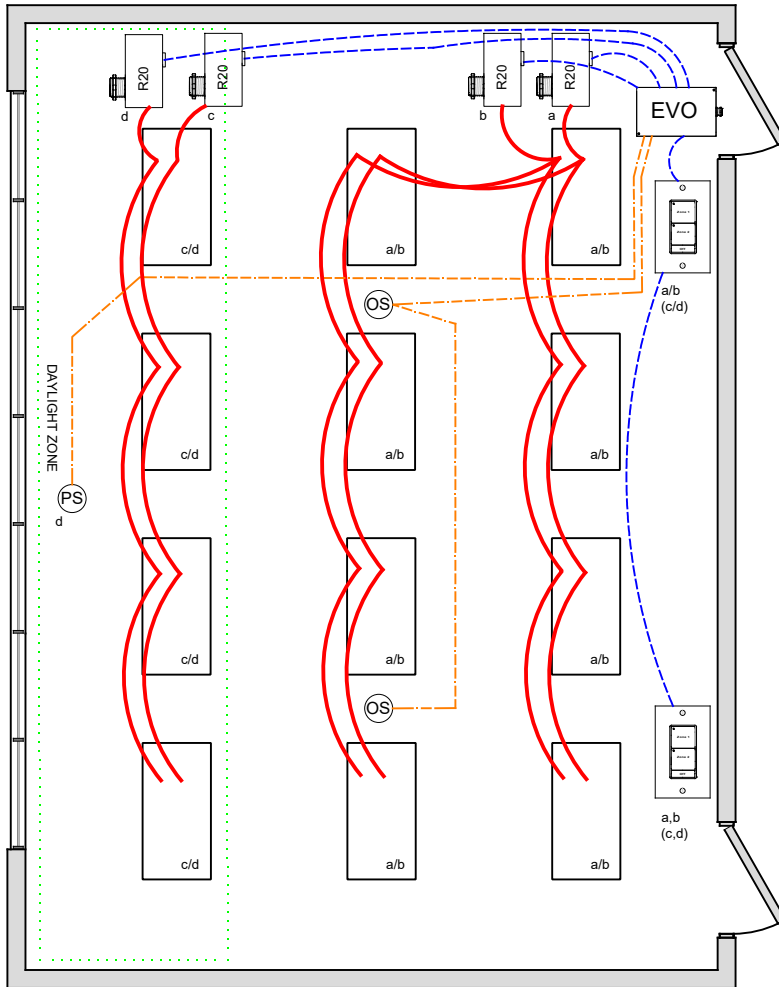


# CLASSROOM ON/OFF - A/B SWITCHING WITH DAYLIGHT IECC 2015 DESIGN GUIDE



## OVERVIEW:

The A/B Lighting zones are individually controlled with 2 relays, vacancy off, local digital control stations.

## SEQUENCE OF OPERATION:

Lights turn on at digital switch station, providing A/B control for three light levels 0%, 50% and 100%. Occupancy sensor input set for Vacancy-off control, can be changed to on/off with for 50% for all or partial room loads.

Digital switch station provides individual 2-zone on/off control

Photo Sensor monitors daylight and limits the maximum light level in the daylight zone by switching off load "d". Supports multiple daylight zones (8) with independent on/off setpoints per zone. (not required in areas without windows or rooms having loads <105W in sidelight area)

## ADDITIONAL OPTIONS:

Up to 4-zones with single LLEVO panel, additional LSEVO-4X, -8X expansion panels available for up to 20 zones. Additional LightSync switch stations as needed up to 32. LLEVO control panel can connect to ILC network for building control (C405.2.2.1).

Emergency lighting control bypass relay for UL-924 can be added as needed.

### WIRE LEGEND

- Line voltage
- - - CAT-5e Data cable
- - - 3-Wire Occupancy Sensor or Photo Sensor

### Bill Of Material:

Qt:	Product:	Description:
1	LLEVO	EVO Controller
4	R20D	Remote 20Amp Dimming relay
2	LSG3-WH-2	LightSync G3 2-Zone ON/Off digital switch station.
1	PS-IND	Photo Sensor - Indoor.
2	ILC-SWX-221-1	Occupancy sensor ceiling Dual Tech - 500sf

LLEVO Pre-Program: F2

## CODE REQUIREMENTS SUPPORTED:

- Auto-Off from Occupancy sensor (C405.2.1.1)
- Lighting Reduction (C405.2.2.2)
- Daylight control (C405.2.3.2)
- Local Switch control (C405.2.2.3)