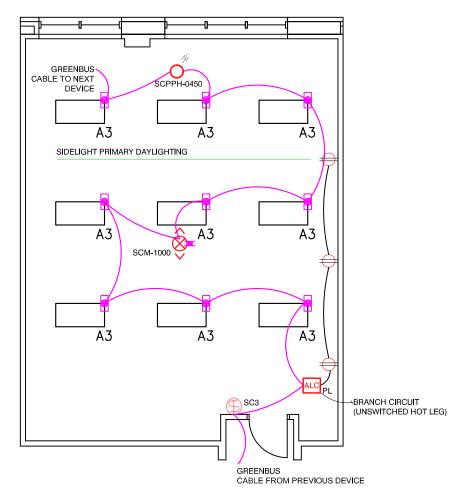


CLASSROOM ASHRAE 90.1-2010 INDIVIDUAL LUMINAIRE CONTROL WIRED SYSTEM



SEQUENCE OF OPERATION

1.) AUTO ON TO 50% OR CONTROLLED
MANUALLY WHEN OCCUPANCY DETECTED.
TURN OFF AFTER VACANCY OF 30MINS.

2.) MANUAL ON/OFF AND FULL RANGE
DIMMING CONTROL OF GENERAL LIGHTING
WITH WALL SWITCH. OPTIONAL 3 SCENE
CONTROL.

3.) AUTOMATIC DAYLIGHT RESPONSIVE
CONTROL FOR SIDE LIGHTING.

4.) AUTO OFF ALL LIGHTING AND
CONTROLLED RECEPTACLES WITHIN 30
MINUTES OF OCCUPANTS LEAVING.

DESIGN CONSIDERATIONS
1.) ENCELIUM BACKBONE IS NEEDED VIA
SYSTEM SUPPORT UNIT (SSU) ALONG WITH A
NETWORK SWITCH.
(REF DATA SHEET. LMS054)
2.) WIRED MANAGER (M) IS NEEDED WHICH
CAN ACCOMMODATE UP TO 800
INDEPENDENT DEVICES DEPENDENT. (REF
DATA SHEET. LMS093)
3.) IF EMERGENCY UL924 RATED DEVICE IS
REQUIRED, WIRED MANAGER (M) IS RATED
FOR CENTRAL SENSE,
IF LOCAL SENSE IS REQUIRED A
THIRD-PARTY DEVICE WILL BE NEEDED.
(REF DATA SHEET. 1ESRN)

TYPICAL DESIGN WITH CONTROL INTENT LLUSTRATION ONLY, ELECTRICAL CONTRACTOR RESPONSIBLE FOR APPLICATION SPECIFIC WIRING..

LEGEND - ENCELIUM SYSTEM GREENBUS COMPONENTS

QTY	SYMBOL	DESCRIPTION
1	<⊗>> SCM-1000	OCCUPANCY SENSOR, PIR/ULTRASONIC MULTI-TECH 360DEG WIDE VIEW, 1000SQFT COVERAGE, LOW VOLTAGE, CEILING MOUNT. W/ENCELIUM SIM
1	O SCPPH-0450	GREENBUS PHOTOCELL SENSOR 360 DEG, LOW VOLTAGE, CEILING MOUNT, BUILT-IN OCCUPANCY SENSOR, PIR, 450 SQ.FT COVERAGE(OPTIONAL), NO SIM REQUIRED. (%) - PHOTOCELL ACTIVE
1	⊕sc3	ENCELIUM LOW VOLTAGE - SCENE CONTROL WALL STATION (SC3) - THREE SCENES
9	•	LUMINAIRE CONTROL MODULE (LCM)
1	ALC PL	AREA LIGHTING CONTROLLER - HEAVY DUTY RELAY FOR PLUG LOAD (ALC)
1		SENSOR INTERFACE MODULE (SIM)
		GREENBUS CABLE. PRE-TERMINATED (18AWG X 2) MAXIMUM CONNECTED LENGTH OF WIRING IS 2500FT. PER CHANNEL

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