N @echoflex @echoflex ELED1H-AU 240-347 LED Fixture Controller To other LED drivers.. 20A @ 240/277VAC 16A @ 347VAC 240-347VAC **LED** POTENTIAL **Dimming Driver** To other standard outlets to be wired as To others Intensity 0-10V Dimming controlled outlets 100mA MAX. sinking currer or labeling downstrean outlets) 120V LINE NEUTRAL Ground **№echoflex** FLED1H-AU 240-347 LED Fixture Controller

Typical Office with Daylight Harvesting

0 0

Sequence of Operation

When the occupancy sensor in the space senses movement, receptacles and lighting will automatically turn on. The switch on the wall can be used to turn the lights on and off. A quick press up or down of the switch will turn the lights on or off. A press and hold up or down will dim the lights up or down. The daylight sensor in the room will determine the level of artificial and natural light in the space and dim the lights in the daylight zones to maintain a predetermined set point. The lowest dimming value between the daylight sensor and wall switch will be the dim level used. When the room becomes vacant, the lights and receptacles will turn off after a predetermined amount of time (default 15 minutes). When a Demand Response event is triggered the lights will dim down to a predetermined level.

Typical Material List					
Qty	Part #	Description			
2	ELED1H-AU	LED Fixture Controller 240-347V Occupancy/Vacancy Sensor On/Off & Up/Down Dimming Interior Photo Sensor			
1	OWS-DT-BTY				
1	TAP-31U				
1	ERNR-AU	Split Controlled Receptacle			
1	ERDRI-AU	Demand Response Interface			

	Title 24 Complia	Title 24 Compliance		
Section	Requirement	Device	Part #	
130.1a/b/c	D.1a/b/c Local Switching Multi-Level Dimming & Fully Automatic Light shut Off		OWS-DT-BTY	
130.5d	Plug-Load Control		ERNR-AIU	
130.1d	Multilevel Daylight Control	(3)	TAP-31U	
130.1e	Demand Response Ready	Park (N) Park (N) Park (N)	ERDRI-AU	

SPECIFICATION:

- 1. LIGHTING CONTROL SYSTEM TO B MANUFACTURED BY ECHOFLEX SOLUTIONS INC.
- 2. ECHOFLEX LIGHTING CONTROL SYSTEM SHALL HAVE THE ABILITY TO BE FACTORY PRE-LINKED AND PRE-CONFIGURED OR PROGRAMMED ON SITE USING SIMPLE TAP, SMART CLICK OR GARIBALDI SOFTWARE
- 3. CONTROLLERS SHALL BE ABLE TO FUNCTION AS A STAND ALONE SYSTEM ALONG WITH THEIR OPTIONAL PERIPHERAL WIRELESS DEVICES INCLUDING A WALL SWITCH, SPLIT CONTROLLED RECEPTACLE, AND OCCUPANCY SENSOR.
- 4. CONTROLLERS SHALL BE ABLE TO BE NETWORKED TOGETHER TO FORM AN INTEGRATED BUILDING SOLUTION.
- 5. ECHOFLEX ELED1H: 0-10V DIMMING CONTROLLER SHALL BE ETL RECOGNIZED AND UL LISTED, CONFORMING TO UL60730, AND CERTIFIED TO CANICSA STANDARD E60730 AND UL924. ALL SYSTEM CONTROL ELECTRONICS SHALL STORE PROGRAMMING IN NON-VOLATILE MEMORY. THE CONTROLLER SHALL BE CAPABLE OF REPEATING SIGNALS AND TRANSMITTING STATUS.
- 6. WALL SWITCH OCCUPANCY SENSOR (OWS): THE WALL SWITCH OCCUPANCY SENSOR SHALL UTILIZE 120 OR 277VAC POWER. SENSOR SHALL BE COMPATIBLE WITH OCCUPANCY AND VACANCY MODES WHEN USED IN CONJUNCTION WITH THE DIMMING ROOM CONTROLLER. SENSOR SHALL PROVIDE LED INDICATION FOR RF RANGE CONFIRMATION. SENSOR SHALL WIRELESSLY COMMUNICATE WITH THE SPLIT CONTROLLED RECEPTACLE. THE WALL SWITCH SENSOR SHALL BE ABLE TO MANUALLY TURN AND DIM LOADS ON/OFF AND UP/DOWN WHEN USED WITH COMPATIBLE WIRELESS CONTROLLERS.
- 7. PHOTO SENSORS (PS): PHOTO SENSOR SHALL BE SOLAR POWERED WIRELESS SENSOR WITH AM OPTIONAL BATTERY. SENSOR SHALL BE COMPATIBLE WITH OPEN AND CLOSED LOOP MODES WHEN USED IN CONJUNCTION WITH THE DIMMING CONTROLLER. SENSOR SHALL PROVIDE LED INDICATION FOR RF RANGE. LIGHT SENSOR SHALL BE CAPABLE OF READING LUX LEVELS BETWEEN 0 & 65,500.
- 8. RF SYSTEM SHALL NETWORK WIRELESSLY. INTEGRATION WITH BMS/DEMAND RESPONSE VIA THE USE OF GATEWAYS AND WIRELESS/WIRED I/O INTERFACES. VERIFY AND INSTALL ONLY THOSE INTERFACES INDICATED ON THE PLANS.
- 9. EC SHALL INSTALL ECHOFLEX SYSTEM AS INDICATED PER MANUFACTURER'S FINAL DRAWINGS AND INSTALLATION DOCUMENTS IN ACCORDANCE TO ALL LOCAL AND NATIONAL CODES. FACTORY ONSITE START UP AND TRAINING IS OPTIONAL. ECHOFLEX REQUIRES 3 WEEKS ADVANCED NOTICE TO SCHEDULE ONSITE START UP IF REQUESTED. ECHOFLEX WILL PROVIDE SYSTEM VERIFICATION AND ADJUST PROGRAMMING IF REQUIRED TO CUSTOMER REQUIREMENTS.
- 10. THIS DRAWING REPRESENTS DESIGN CONCEPT AND INTENT ONLY. WE DO NOT GUARANTEE THE INFORMATION IN THIS DOCUMENT IS SUITABLE FOR YOUR PARTICULAR APPLICATION, NOR DO WE ASSUME ANY RESPONSIBILITY FOR YOUR SYSTEM DESIGN, INSTALLATION OR OPERATION. WE RESERVE THE RIGHT TO MAKE CHANGES TO THE PRODUCTS DESCRIBED OR INFORMATION HEREIN AT ANY TIME WITHOUT NOTICE AND WITHOUT ANY OBLIGATION.
- 11. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
- 12. TELEPHONE FACTORY SUPPORT IS AVAILABLE AT NO ADDITIONAL COST TO THE EC OR OWNER.

