

Typical Office w/o Daylight Harvesting

Sequence of Operation

When the occupancy sensor in the room senses movement, receptacles will automatically turn on. The switch on the wall will be used to turn the lights on or off regardless of the state of the occupancy sensor. 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. When the room becomes vacant, the lights and receptacles will turn off after a predetermined amount of time (default 15 minutes).

Typical Material List				
Qty	Part #	Description		
1	ERDRC-FCU	Complete Room Controller 120/277V		
1	OWS-DT-120/277	Occupancy/Vacancy Sensor On/Off & Up/Down Dimming		
1	ERNR-AU	Split Controlled Receptacle		
1	ERCCI	Central Command Interface		

Title 24 Compliance				
Section	Section Requirement		Part #	
130.1a/b/c	Local Switching Multi-Level Dimming & Fully Automatic Light shut Off		OWS-DT-120/277	
130.5d	Plug-Load Control	<u></u>	ERNR-AIU	
130.1e	Demand Response Ready		ERCCI	

SPECIFICATION:

1. LIGHTING CONTROL SYSTEM TO BE 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 ERDRC: 0-10V DIMMING ROOM CONTROLLER SHALL BE ETL RECOGNIZED, CONFORMING TO UL2043 PLENUM RATING AND UL508 STANDARDS. 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. RF SYSTEM SHALL NETWORK WIRELESSLY. INTEGRATION WITH BMS/JEMAND RESPONSE VIA THE USE OF GATEWAYS AND WIRELESS/WIRED I/O INTERFACES. VERIFY AND INSTALL ONLY THOSE INTERFACES INDICATED ON THE PLANS.

8. 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.

9. 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.

10. SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

11. TELEPHONE FACTORY SUPPORT IS AVAILABLE AT NO ADDITIONAL COST TO THE EC OR OWNER.

12. CONTACT ECHOFLEX SOLUTIONS JASON NABB - 1.714.277.8724 JASON.NABB@ECHOFLEXSOLUTIONS.COM HEAD OFFICE - 1.778.733.0111 SALES@ECHOFLEXSOLUTIONS.COM



UNLESS OTHERWISE SPECIFIED - ALL DIMENSIONS IN MILLIMETERS - #8DC-9503 Rev