



Type(s)

Project

Date

Notes

GENERAL INFORMATION

The control you need – right at your fingertips. These EchoConnect-powered stations are designed to initiate preset, zone, and space controls for your entire system as well as provide occupancy and vacancy events. They communicate efficiently with dimmers, relays and power control panels to provide necessary control for any installation. Echo Dual Tech Switch Mount Sensors are a convenient and simple solution for any facility to eliminate wasted energy by automatically turning off lighting loads when a room is empty.

APPLICATIONS

- Houses of worship
- Education
- Hospitality
- Healthcare facilities
- Office buildings
- Conference rooms
- Meeting rooms
- Retail

FEATURES

- Support for occupancy or vacancy detection as required
- Passive infrared (PIR) and Acoustic sensing technology
- EchoConnect: two-wire topology-free system gives you the freedom to easily place stations wherever they are needed
- Walk-thru mode for coverage verification
- Fastener-Free Faceplate System: no visible means of attachment
- Decorator style face plates available in one-, two-, three- and four-gang options
- Rear-illuminated buttons that indicate system status using blue for active and amber or off for inactive
- Simple user-legend system supports use of a variety of standard nomenclature, or user-supplied inserts
- Available in Cream, Grey, Black or White
- Multi Space Preset functionality

REGULATORY AND COMPLIANCE

- cULus LISTED
- CE Certified

ORDERING INFORMATION

Echo Dual Tech Switch Stations

MODEL	DESCRIPTION
E-DOC-SM1-__	1-Button Switch Mount Dual Tech Sensor
E-DOC-SM2-__	2-Button Switch Mount Dual Tech Sensor

Enter sensor color code in __ space provided:

1 = Cream (RAL 9001), 3 = Gray (RAL 7001), 4 = Black (RAL 9004),

5 = Signal White (RAL 9003),

Stations flush-mount (F) in industry-standard gang boxes. (By others)

Surface mount boxes available from manufacturer upon request.

Additional Faceplates

MODEL	DESCRIPTION
1IFP-__	Inspire 1-gang faceplate
2IFP-__	Inspire 2-gang faceplate
3IFP-__	Inspire 3-gang faceplate
4IFP-__	Inspire 4-gang faceplate

Enter station color code in __ space provided:

1 = Cream (RAL 9001), 3 = Gray (RAL 7001), 4 = Black (RAL 9004),

5 = Signal White (RAL 9003)

Stations ship with 1-gang faceplate. Additional faceplates can be ordered separately.

Echo Power Requirements

EchoConnect:	One unit of control power
Auxiliary Power:	Not required



SPECIFICATIONS

FUNCTIONAL

- Zone or preset control from any station
- Blue button illumination for active status
- Amber or no button illumination for inactive status
- Supports configurable auto-on/auto-off functionality (occupancy sensing) functions
- Supports walk-thru mode for verifying coverage area
 - Sensor lens illuminates for walk-thru and test mode
 - Red illumination for PIR detection
 - Green illumination for Acoustic Detection
- Sensor coverage tested to NEMA WD 7-2000

MECHANICAL

- Standard configurations with 1 or 2 buttons
- Gangable with Inspire Control Stations for custom applications
- Enclosed electronics assembly and faceplate included
- Cantilevered switch arrays with removable button caps
- No visible means of attachment
- Flush-mount in industry standard backbox, RACO 690 or equivalent
- Surface-mount backboxes available from ETC upon request
- Constructed of injection-molded, ABS plastic in four RAL standard colors Cream (RAL 9001), Grey (RAL 7001) Black (RAL 9004), and White (RAL 9003)
- User configurable legends on each button, or use standard legends that come with each station. Field configurable without the use of tools
- Color matched faceplate included

ELECTRICAL

- Connect via the EchoConnect control network via low-voltage Class 2 wiring
 - Topology-free wiring over Belden 8471 or equivalent and one #14 ESD drain wire
 - Supports optional use of Belden 1583A or equivalent Ethernet control wire when used with Cat5 termination accessories
 - Wiring may be bus, loop, homerun or any combination
 - Supports up to 500 m (1,640 ft) of control wiring
 - Up to 1000 ft using CAT5
- All station terminations utilize removable connectors

THERMAL

- Ambient room temperature: 0°–40° C (32°–104° F)
- Ambient humidity: Maximum 90% non-condensing

FUNCTIONALITY

BASIC MODE FUNCTIONALITY

- Preset Mode:
 - Occupancy Event: Play selected default Preset
 - Vacancy Event: Space off
 - Button 1 Push: Toggle Preset 1 (Default)
 - Button 1 Hold: Space Raise
 - Button 1 Double Tap: Quick Toggle Preset 1 (Default)
 - Button 2 Push: Toggle Preset 2 (Default) or Off
 - Button 2 Hold: Space Raise
 - Button 2 Double Tap: Quick Toggle Preset 2 (Default)
- Zone Mode
 - Occupancy Event: Zone 1 at 100% (Default)
 - Vacancy Event: Zone 1 at 0% (Default)
 - Button 1 Push: Zone 1 at 100% (Default)
 - Button 1 Hold: Raise Zone 1
 - Button 1 Double Tap: Quick Zone 1 at 100% (Default)
 - Button 2 Push: Zone 1 at 0% (Default)
 - Button 2 Hold: Lower Zone 1
 - Button 2 Double Tap: Quick Zone 1 at 0% (Default)

CUSTOM MODE FUNCTIONALITY

(Requires Programing With EchoAccess® Mobile App and additional connection hardware)

- Occupancy Event
 - Preset Activate*
 - Zone Set to Level
 - Space Set to Level
- Vacancy Event
 - Preset Activate*
 - Zone Set to Level
 - Space Set to Level
 - Space Off*
- Button Push
 - Preset Toggle*, Preset Activate*
 - Zone Toggle, Zone Lower, Zone Raise, Zone Set to Level, Zone Set to Color, Zone Set to Color Temp
 - Space Off*, Space Toggle, Space Lower, Space Raise, Space Set to Level
 - Space Combine Toggle, Space Combine, Space Uncombine,
 - Space Set to Color, Space Set to Color Temp
 - Sequence Toggle
 - Timeclock Hold Toggle, Timeclock Hold Enable, Timeclock Hold Disable
- Button Hold
 - Zone Lower
 - Zone Raise
 - Space Lower
 - Space Raise
- Button Double Tap
 - Preset Toggle*, Preset Activate*
 - Zone Toggle, Zone Set to Level, Zone Set to Color, Zone Set to Color Temp
 - Space Off, Space Toggle, Space Set to Level, Space Set to Color, Space Set to Color Temp
 - Timeclock Hold Toggle, Timeclock Hold Enable, Timeclock Hold Disable

*Multi Space capable - allowing for presets to be recalled in multiple spaces from a single control

ECHO FAMILY OF PRODUCTS

EchoConnect Power Supplies

MODEL	DESCRIPTION
E-SPS	6 U Room Station Power Supply, Knockout Mount
E-SPS-DIN	16 U DIN rail Station Power Supply with 24 V Aux
E-SPM-A	16 U DRd Station Power Module with 24 V Aux
E-APS	24 V Aux Power Supply, Knockout Mount

EchoTouch

MODEL	DESCRIPTION
ETS	EchoTouch Controller Mk2

Echo Stations

MODEL	DESCRIPTION
E1001	Inspire One Button Station
E1002	Inspire Two Button Station
E1004	Inspire Four Button Station
E1006	Inspire Six Button Station
E1008	Inspire Eight Button Station
E1104	Inspire Four Button with Fader Station
EPS05	Echo Preset Station - 5 Button
EPS10	Echo Preset Station - 10 Button
EPSKS	Echo Keyswitch Station
E-ATC	Echo TimeClock

Echo Responsive Controls

MODEL	DESCRIPTION
ELS	Light Sensor
EOCC	Ceiling-Mount PIR Occupancy Sensor
EVAC	Ceiling-Mount PIR Vacancy Sensor
E-DOC-C	Ceiling-Mount Dual Tech Occupancy Sensor
E-DVAC-C	Ceiling-Mount Dual Tech Vacancy Sensor
E-DOC-W	Wall-Mount Dual Tech Occupancy Sensor
E-DVAC-W	Wall-Mount Dual Tech Vacancy Sensor
E-DOC-SM1	Switch-Mount Dual Tech Sensor - One Button
E-DOC-SM2	Switch-Mount Dual Tech Sensor - Two Button

Echo Interfaces

MODEL	DESCRIPTION
EACC	EchoAccess Interface
EEB	Echo Expansion Bridge
EDMXC	Echo DMX Scene Controller
EEl	Echo-Echoflex Interface
ECII	Echo Contact Input Interface
ECOI	Echo Contact Output Interface
EDRI	Echo Demand Response Interface
EBI	Echo BACnet Interface
EII	Echo Integration Interface

Zone Controllers

MODEL	DESCRIPTION
ERC-G2	One Zone Relay Controller
EDRC-G2	Two Zone Relay Controller
ELD-G2	One Zone 0–10 V Controller
EDLD-G2	Two Zone 0–10 V Controller
ESSC-G2	One Zone SmartSpace Controller
EDSSC-G2	Two Zone SmartSpace Controller
ELVD-G2	600-Watt Phase Adaptive Dimmer (120 V)
ELVD-277-G2	600-Watt Phase Adaptive Dimmer (277 V)
ELVD-G2-MLV	600-Watt Forward Phase Dimmer (120 V)
ELVD-277-G2-MLV	600-Watt Forward Phase Dimmer (277 V)

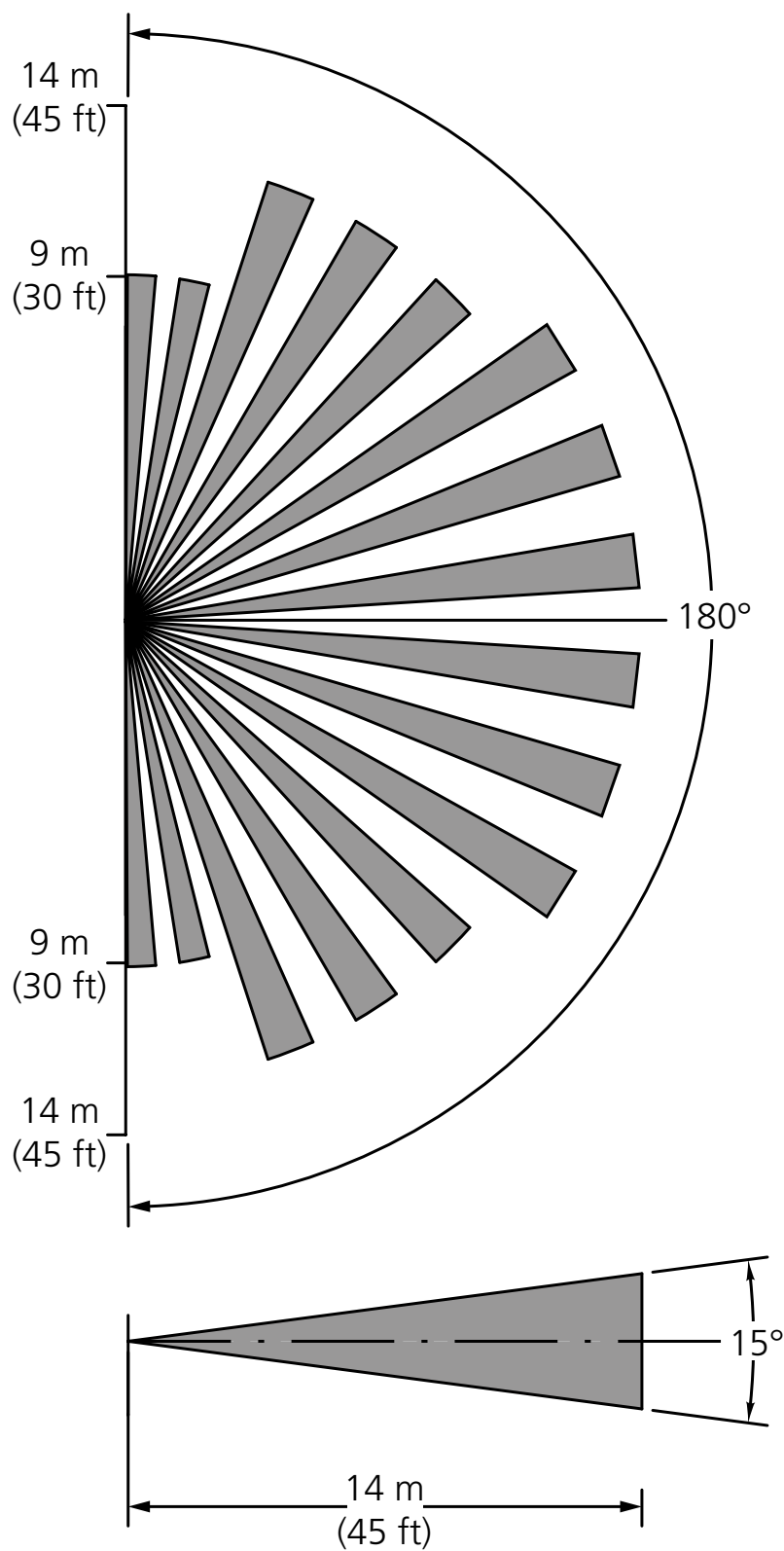
Room Controllers

MODEL	DESCRIPTION
ERMC4-G2	Four Zone Room Controller
ERMCT4-G2	Four Zone Room Controller with TimeClock
ERMC8-G2	Eight Zone Room Controller
ERMCT8-G2	Eight Zone Room Controller with TimeClock

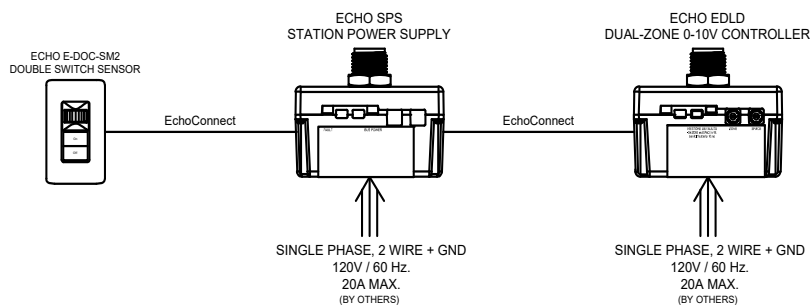
Panel Products

MODEL	DESCRIPTION
ERP	Echo Relay Panel Mains Feed
ERPA	Echo Relay Panel Mains Feed 277 V
ERP-FT	Echo Relay Panel Feedthrough
IQ	Sensor IQ Intelligent Breaker System
SR3	Sensor3 Power Control System
DRd	Unison DRd with Echo Control

COVERAGE PATTERN



SAMPLE RISER



PHYSICAL

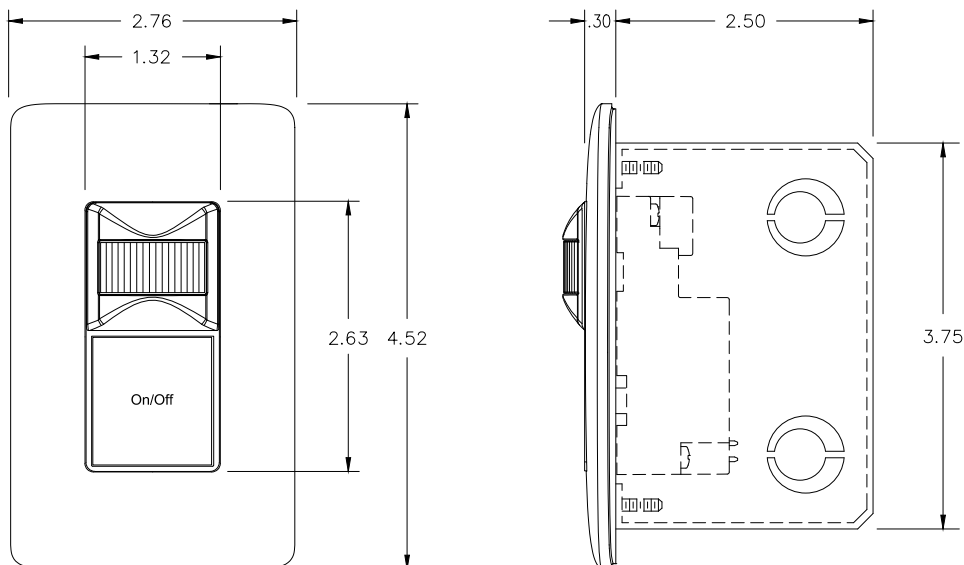
Product Dimensions

MODEL	HEIGHT		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
E-DOC-SM1	4.52	115	2.76	71	0.30	8
E-DOC-SM2	4.52	115	2.76	71	0.30	8

Product Weights*

MODEL	WEIGHT		SHIPPING WEIGHT	
	oz	g	oz	g
E-DOC-SM1	3.84	109	7.65	217
E-DOC-SM2	3.84	109	7.65	217

*Weights and dimensions typical



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