Echoflex

Elaho Station Power Supplies

Type(s)

Project

Date

Notes

REGULATORY AND COMPLIANCE

Elaho Station Power Supply provides power for stations, responsive controls and power controllers. Elaho Station Power Supplies are designed for use with distributed Elaho Control Systems and Elaho Relay Panels.

APPLICATIONS

- Education
- Hospitality
- Healthcare facilities
- Office buildings
- Conference rooms
- Meeting rooms
- Retail

FEATURES

- Designed for use with any Elaho enabled station, responsive controls or power controllers
- Two-wire, topology-free system gives you the freedom to put stations where you need them
- Multiple form factors and mounting options available
- Plug and play: ready to go out of the box with no software or programming required

SYSTEM LIMITATIONS

- Up to 1,640 ft (500 m) of control wiring
- DIN Rail Mount
  - Up to sixteen stations and responsive controls
  - Up to sixteen power controllers or panels
- Station Power Supply
  - Up to six stations and responsive controls
  - Up to six power controllers or panels

REGULATORY AND COMPLIANCE

- cULus Listed
- CE Compliant (Except E-SPS and E-APS2)

ORDERING INFORMATION

Power Supplies

MODEL	DESCRIPTION
E-SPS	Station Power Supply, Knockout Mount
E-SPS-DIN	DIN Rail Mount Station Power Supply with 24 V Aux
E-APS2	24 V Aux Power Supply, Knockout Mount

Power Supply Accessories

MODEL	DESCRIPTION
E-SPS-DIN KIT	E-SPS-DIN in a DIN8 Enclosure
E-C5T-ST	Category-5 Station Wiring Kit
E-C5T-WM	Category-5 Wiring Termination Box

echoflex
an ETC Company

SPECIFICATIONS

FUNCTIONAL

- Provides power for up to 6 or 16 stations or Responsive Controls and 6 or 16 power controllers or panels
- Supports 1,640 ft (500 m) of control wiring

MECHANICAL

- E-SPS, E-APS2
  - Mounts using half-inch conduit knockout
  - Constructed of injection-molded ABS plastic
- E-SPS-DIN
  - Five unit wide DIN Enclosure complies with DIN43880 (35/7.5 rail)

ELECTRICAL

- E-SPS, E-APS2:
  - 100–277 V, 50/60 Hz, two-wire+GND power input
- E-SPS-DIN
  - 100–240 V, 50/60 Hz, two-wire+GND power input
- Optional 24 V Aux power options for connected devices
- Two-wire control network utilizing low-voltage Class 2 wiring
- Topology-free and polarity-independent wiring over Belden 8471 or equivalent and one #14 ESD drain wire
- Wiring may be bus, loop, homerun or any combination of these
- Up to 1,640 ft (500 m) of control wiring per system
- Supports optional Cat5 or better wiring using Belden 1583A or equivalent
  - Requires optional Cat5 termination accessories
- E-SPS-DIN includes 24 V power supply

THERMAL

- E-SPS-DIN:
  - Ambient room temperature: 0°–50° C (32°–122° F)
  - Ambient humidity: 5–95% non-condensing
- E-SPS and E-APS2:
  - Ambient room temperature: 0°–45° C (32°–113° F)
  - Ambient humidity: 5–95% non-condensing

POWER SUPPLY INFORMATION

E-SPS Power Supply

Bus Power:	Provides 6 U of control power and and 6 U of Output Power
Auxiliary Power:	Not provided

E-SPS-DIN Power Supply

Bus Power:	Provides 16 U of control power and 16 U of Output Power
Auxiliary Power:	Provides 1500 mA

APS Auxiliary Power Supply

Bus Power:	Not Provided
Auxiliary Power:	Provides 1300 mA

ELAHO FAMILY PRODUCTS

Bus 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-APS	24 V Aux Power Supply, Knockout Mount

ElahoTouch

MODEL	DESCRIPTION
ETS	ElahoTouch Controller Mk2

Elaho 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	Preset Station - 5 Button
EPS10	Preset Station - 10 Button
EPSKS	Keyswitch Station
E-ATC	TimeClock

Elaho 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

Elaho Interfaces

MODEL	DESCRIPTION
EACC	ElahoAccess Interface
EEB	Expansion Bridge
EDMXC	DMX Scene Controller
EEI	Elaho-Echoflex Interface
ECII	Contact Input Interface
ECOI	Contact Output Interface
EDRI	Demand Response Interface
EBI	BACnet Interface
EII	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

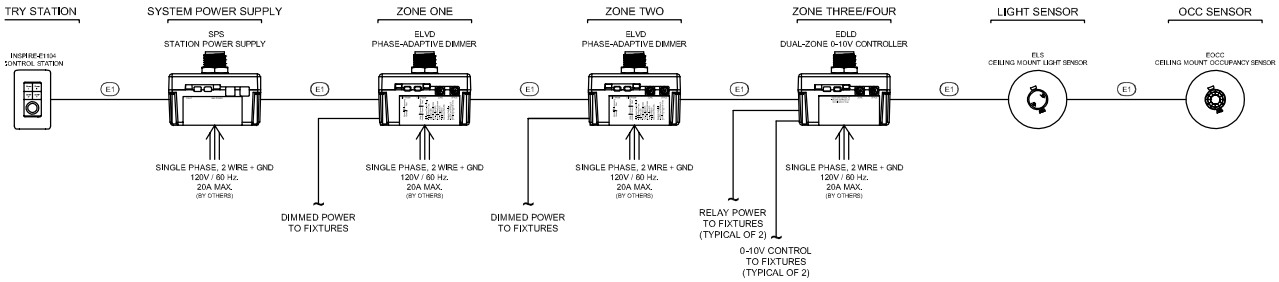
MODEL	DESCRIPTION
ERMC4-G2	Four Zone Room Controller
ERMCT4-G2	Four Zone Room Controller with TimeClock
ERMC8-G2	Eight Zone Room Controller
ERMCT8-G2	Eight Zone Room Controller with TimeClock

Panel Products

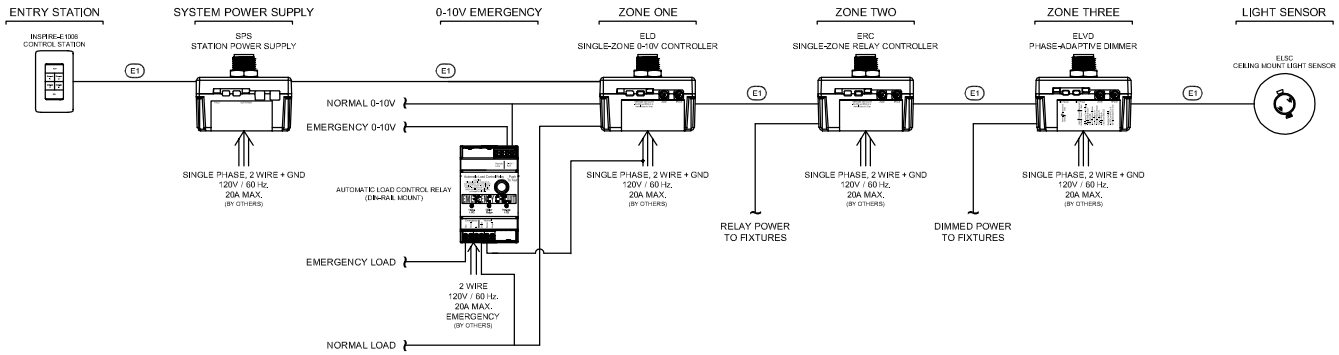
MODEL	DESCRIPTION
ERP	Elaho Relay Panel Mains Feed
ERPA	Elaho Relay Panel Mains Feed 277 V
ERP-FT	Elaho Relay Panel Feedthrough

SAMPLE SYSTEMS

SMALL SYSTEM



CONFERENCE ROOM



PHYSICAL

Dimensions*

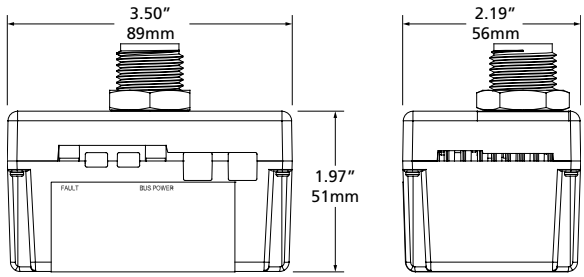
MODEL	HEIGHT		WIDTH		DEPTH	
	in	mm	in	mm	in	mm
E-SPS(-APS2)	1.97	51	35	89	2.19	56
E-SPS-DIN	4.33	110	2.96	75	3.90	99
E-SPS-DIN KIT	8	203	14	366	5.06	129

Weights*

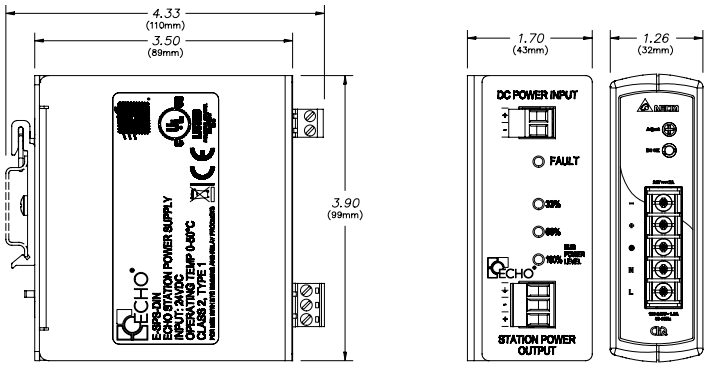
MODEL	WEIGHT		SHIPPING WEIGHT	
	lb	kg	lb	kg
E-SPS(-APS2)	1	0.45	1.5	0.68
E-SPS-DIN	1	0.45	1.5	0.68
E-SPS-DIN-KIT	10	4.54	12	5.44

*Weights and dimensions typical

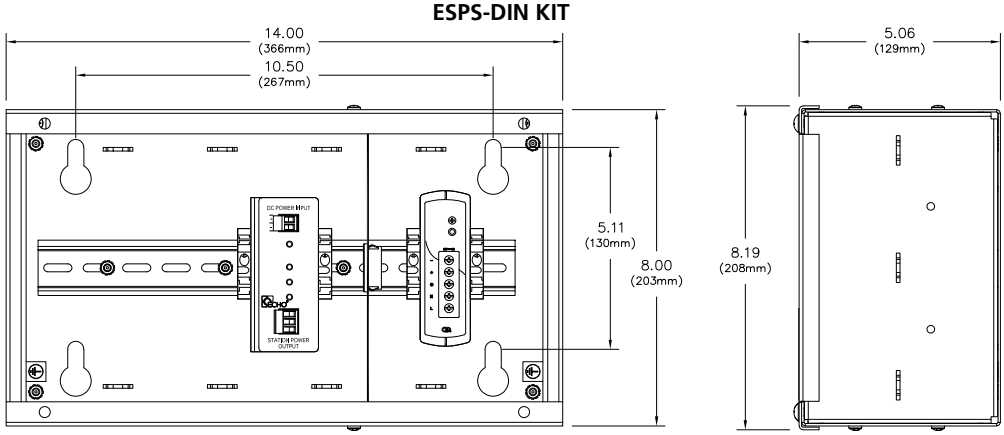
E-SPS / E-APS



ESPS-DIN



ESPS-DIN KIT



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