ETC

SmartLink® Heritage Button Station

Smart Solutions™ Series

Class 2

UL LISTED US   c UL LISTED

SMARTLINK®

GENERAL INFORMATION

SmartLink stations allow access to Presets and Sequences in Unison®, SmartPack®, SmartSwitch™ and Sensor®+. The Stations are "plug and play" devices, with easy switch settings to access a range of Preset and/or Sequence functions.

APPLICATIONS
- Churches
- Hotels
- Convention Centers
- Meeting Rooms
- Schools
- Restaurants

FEATURES
- LinkConnect – using Echelon's LonTalk® protocol with LinkPower, the two wire topology-free system gives you the freedom to put stations where you need them
- Fastener Free Faceplate System – no visible means of faceplate attachment
- ColorCondition – RGB LED's allow for customized control indication on a per station basis
- Forever Legend System – complimentary colored legends using an indelible, laser-marking method
- RemoteDirect – a built in InfraRed (IR) receiver on every station allows for optional IR remote control at every station
- Preset and Sequence Toggle and Record

FUNCTIONAL
- Buttons station components shall be designed to operate default Preset or Sequence operation
- Integral LED indicator on each button indicates status, and tracks Sequences through available Presets
- Flush of surface mount in any location

GENERAL
- UL and cUL Listed
- CE Marked

ORDERING INFORMATION

SmartLink Button Station

MODEL	DESCRIPTION
SH10005	SmartLink Heritage 5-Button Station
SH10010	SmartLink Heritage 10-Button Station

To order, indicate the color, 1, 2, 3, 4, or 5 in the first blank, and the station legend A-Z in the second blank. A complete list of colors and legends is found on page 3 of this datasheet.

Example: S10005-1-A would generate a 5-button station with cream buttons and faceplate, the faceplate having the legends for each button indicate "Preset 1, Preset 2, Preset 3, Preset 4, Preset 5" with laser marked lettering

Example: S10010-4-D would generate a 10-button station with black buttons and faceplate, the faceplate having the legends for each button indicate "Preset 11, Preset 12, Preset 13, Preset 14, Preset 15, Preset 16, Preset 17, Preset 18, Preset 19, Sequence" with laser marked lettering

SmartLink Power Supplies

MODEL	DESCRIPTION
S-LPS[1]	SmartLink Power Supply Kit - for SmartPack Wall Mount and SmartSwitch units
S-LPB[1]	SmartLink Power Board - for Sensor+ Racks (1 required per rack group)
S-SPM[2]	SmartLink Station Power Module for Unison DRd Enclosures
S-SPM-RM[2]	SmartLink 2U Rack Mount Station Power Module
S-SPM-WM[2]	SmartLink Wall Mount Station Power Module

[1]Power for up to four (4) SmartLink wall stations.

[2]Powers for up to sixteen (16) stations.

See page 3 for additonal ordering information.

ETC®

SPECIFICATIONS

FUNCTIONAL
- Buttons stations are designed to operate in a standard range of modes, selected through the use of the DIP switch settings.
- Button function options include: Preset toggle, and/or Sequence toggle
- Preset range is limited to the presets available in the SmartLink-enabled host product (i.e. 32 presets in SmartPack® and SmartSwitch™, 64 presets in Unison® DRd, 128 presets in Sensor®+)
- All preset buttons are toggle, and last action
- Sequence availability and range is determined by the availability of "Sequence" function in the SmartLink enabled host product, and is subject to the capabilities of the host product

MECHANICAL
- Standard configurations with 5 or 10 buttons
- Enclosed electronics assembly and faceplate
- Cantilevered switch arrays with removable caps
- No visible means of attachment
- Flush mount in industry standard back box, RACO 690 or equivalent
- Surface mount back-boxes available from manufacturer
- Constructed of injection molded, ABS plastic in five standard colors, matched to RAL standard colors
- Indelibly marked legends in a contrasting color
- Integral LED response indicator for each button configurable per station in 16 standard colors
- Integrated IR receiver
- Contain an integral DIP switch, allowing button assignment without the use of specialized tools

ELECTRICAL
- Connect via Echelon® LinkPower control network utilizing low voltage Class II wiring
- Topology free and polarity independent wiring over Belden 8471 or equivalent and (1) #14 ESD drain wire
- Require the use of a SmartLink LinkPower Supply installed In a SmartLink enabled ETC product
- One LinkPower Supply per system
- LinkConnect network wiring shall not exceed 1500' (500m)
- Maximum of sixteen (16) stations per power supply, One supply per system
- All station terminations shall be connectorized

THERMAL
- Ambient room temperature: 0-40°C / 32-104°F
- Ambient humidity: 30-90% non-condensing

PHYSICAL

Flush Backbox Dimensions

GANG	HEIGHT		WIDTH		DEPTH	
	inches	mm	inches	mm	inches	mm
1*	3.75	95.3	2.0	50.8	2.5	63.5

*RACO 690 or equivalent

Surface Backbox Dimensions

GANG	HEIGHT		WIDTH		DEPTH	
	inches	mm	inches	mm	inches	mm
1*	3.75	95.3	2.0	50.8	2.5	63.5

*ETC 7081A2004-1

Faceplate Dimensions

	HEIGHT		WIDTH	
	inches	mm	inches	mm
S10005	3.75	95.3	2.8	50.8
S10010	3.75	95.3	2.8	50.8

ADDITIONAL ORDERING INFORMATION

Continued from page 1

SmartLink Station Colors

CODE	COLOR NAME
1	Cream (RAL9001)
2	Ivory (RAL1015)
3	Grey (RAL7001)
4	Black (RAL9004)
5	Signal White (RAL9003)

Station DIP Switch Setting for SmartPack® and SmartSwitch™*

Switch 1:	Off - all buttons are preset toggle
	On - last button is sequence toggle
Switches 2, 3, 4, 5:	Starting preset #
Switch 6	Off - IR Disabled
	On - IR Enabled

	SWITCH				5-BUTTON		10-BUTTON	
STATION	2	3	4	5	S1=ON	S1=OFF	S1=ON	S1=OFF
1	off	off	off	off	1-4	1-5	1-9	1-10
2	on	off	off	off	5-8	6-10	10-18	11-20
3	off	on	off	off	9-12	11-15	19-27	21-30
4	on	on	off	off	13-16	16-20	28-36	31-40
5	off	off	on	off	17-20	21-25	37-45	41-50
6	on	off	on	off	21-24	26-30	46-54	51-60
7	off	on	on	off	25-28	31-35	55-63	61-70
8	on	on	on	off	29-32**	36-40**	64-72**	71-80**

*See the SmartLink Station manual for stations used with Unison® and Sensor®+ racks.

**Please note: Presets numbered above the host's preset count will not function. Example: in SmartPack and SmartSwitch, there are 32 host presets. Station buttons accessing presets higher than 32 will not provide a function on those products.

Standard Indicator Color Options:

- Red
- Dark Orange
- Orange
- Yellow
- Unison Green
- Green
- Cyan
- Blue
- Indigo
- Purple
- Lavender
- Magenta
- Pink
- Hot Pink
- Warm White
- Cool White

ADDITIONAL ORDERING INFORMATION

5-Button Station Legends

CODE	LEGEND
A*	Preset 1, Preset 2, Preset 3, Preset 4, Preset 5
B*	Preset 1, Preset 2, Preset 3, Preset 4, Sequence
C	Preset 6, Preset 7, Preset 8, Preset 9, Preset 10
D	Preset 5, Preset 6 , Preset 7, Preset 8, Sequence
E	Preset 11, Preset 12, Preset 13, Preset 14, Preset 15
F	Preset 9, Preset 10, Preset 11 Preset 12 Sequence
G	Preset 16, Preset 17, Preset 18, Preset 19, Preset 20
H	Preset 13, Preset 14, Preset 15, Preset 16, Sequence
I	Preset 21, Preset 22, Preset 23, Preset 24, Preset 25
J	Preset 17, Preset 18, Preset 19, Preset 20, Sequence
K	Preset 26, Preset 27, Preset 28, Preset 29, Preset 30
L	Preset 21, Preset 22, Preset 23, Preset 24, Sequence
M	Preset 31, Preset 32, Preset 33, Preset 34, Preset 35**
N	Preset 25, Preset 26, Preset 27, Preset 28, Sequence
O	Preset 29, Preset 30, Preset 31, Preset 32, Sequence
Z**	Custom Legends – Contact ETC for details

10-Button Station Legends

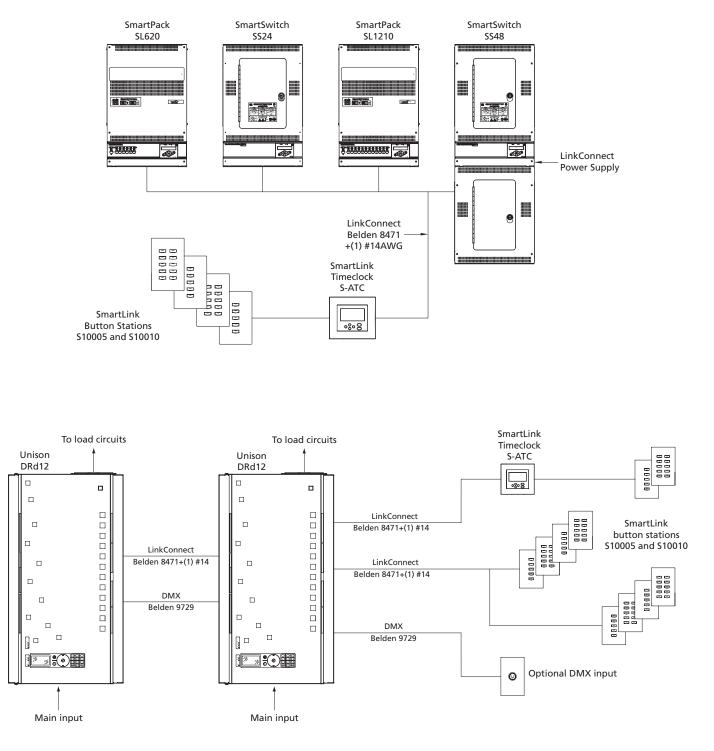| CODE	LEGEND
A*	Preset 1, Preset 2, Preset 3, Preset 4, Preset 5, Preset 6, Preset 7, Preset 8, Preset 9, Preset 10
B*	Preset 1, Preset 2, Preset 3, Preset 4, Preset 5, Preset 6, Preset 7, Preset 8, Preset 9, Sequence
C	Preset 11, Preset 12, Preset 13, Preset 14, Preset 15, Preset 16, Preset17, Preset 18, Preset19, Preset 20
D	Preset 11, Preset 12, Preset 13, Preset 14, Preset 15, Preset 16, Preset17, Preset 18, Preset19, Sequence
E	Preset 21, Preset 22, Preset 23, Preset 24, Preset 25, Preset 26, Preset 27, Preset 28, Preset 29, Preset 30
F	Preset 21, Preset 22, Preset 23, Preset 24, Preset 25, Preset 26, Preset 27, Preset 28, Preset 29, Sequence
G	Preset 31, Preset 32, Preset 33, Preset 34, Preset 35, Preset 36, Preset 37, Preset 38, Preset 39, Preset 40**
H	Preset 31, Preset 32, Preset 33, Preset 34, Preset 35, Preset 36, Preset 37, Preset 38, Preset 39, Sequence**
Z	Custom Legends – Contact ETC for details

*Indicates that this version is typically "in-stock".

**Please note: Presets numbered above the host's preset count will not function. Example: in SmartPack and SmartSwitch, there are 32 host presets. Station buttons accessing presets higher than 32 will not provide a function on those products.

Note: Legends for stations going above Preset 40 for use with Unison® and Sensor+ are available. Contact ETC.

TYPICAL SYSTEM RISER DIAGRAMS – SMARTLINK CONTROL

SmartPack
SL620

SmartSwitch
SS24

SmartPack
SL1210

SmartSwitch
SS48

LinkConnect
Power Supply

LinkConnect
Belden 8471
+(1) #14AWG

SmartLink
Timeclock
S-ATC

SmartLink
Button Stations
S10005 and S10010

Unison
DRd12

To load circuits

Unison
DRd12

To load circuits

SmartLink
Timeclock
S-ATC

LinkConnect
Belden 8471+(1) #14

SmartLink
button stations
S10005 and S10010

LinkConnect
Belden 8471+(1) #14

LinkConnect
Belden 8471+(1) #14

DMX
Belden 9729

DMX
Belden 9729

Optional DMX input

Main input

Main input