



FUNCTIONAL DEVICES INC.

POWER-LINE CARRIER

20.5"

23.5"
OR
37.25"

Depth =
3.5"

MODELS

SP

AND

ACD6S

SWITCH PANELS

SP64, SP128, SP256, SP384, SP512

ACD6S1, ACD6S2 & ACD6S3

DESCRIPTION

The Switch Panels are walnut, swing-open, wall-mounted housings containing panels of switches and LEDs intended for manual control of loads as in the Hotel / Motel application or other applications where there must be direct manual control over the Responders by the user. Models beginning with SP are for use with CS Command Synthesizers (one-way) where LEDs above switches indicate the real-time occurrence of a command to that load.

Models beginning with ACD6S are for use with CD Command Synthesizers and some other custom two-way Command Synthesizers. LEDs above switches indicate the status of return PLC answers.

The number of switches and LEDs in an SP Switch Panel is indicated in the model number. There are 64 switches and LEDs in ACD6S1, ACD6S2 and ACD6S3.

Identification of rooms or areas associated with each switch / LED pair is accomplished through an engraved label above each LED. Up to 4 alphanumeric characters can be assigned to each switch / LED set and the choice of these characters is made by the user through a form submitted with order.

FEATURES

- Switches allow for ON/OFF control of loads
- Contains diagnostic LEDs
- Connected by ribbon cable to Command Synthesizer
- Housed in attractive, walnut, swing-open, wall-mounted cabinet
- Convenient 19" rack-mount component panels

OPTIONS

MODEL NUMBER	FOR USE WITH	SWITCHES and TYPE	HEIGHT OF HOUSING	1-WAY	2-WAY
SP64	CS64DC/A	64 2-POS	23.5"	X	
SP128	CS512DC/A	128 2-POS	23.5"	X	
SP256	CS512DC/A	256 2-POS	23.5"	X	
SP384	CS512DC/A	384 2-POS	37.25"	X	
SP512	CS512DC/A	512 2-POS	37.25"	X	
ACD6S1	CDUP03	64 2-POS	*23.5"		X
ACD6S2	CDUP03	64 3-POS	*23.5"		X
ACD6S3	CDUP03	64 2-POS	see below		X

On all but ACD6S3 housing is walnut 20.5" wide X 3.5" deep. ACD6S3 is aluminum 3 5/8" wide X 3/4" deep X 22 1/4" high, and is intended for use with card racks as sold by American Hotel Register Company.

* If multiple ACD6S1s or ACD6S2s are ordered, they will be combined into a single cabinet and height is 23.5" if 1 or 2 are ordered and 37.25" if 3 or 4 are ordered.

SPECIFICATIONS

- Power input is provided to SP models by the Command Synthesizer to which the Switch Panel is attached. In ACD models power is provided by the CD or by 120/16 Vac plug-in transformer (consult factory).
- Operating temperature range = 32° to 120° F; storage temperature range = -40° to 185° F.
- Humidity range = 5 to 95% noncondensing.
- ACD6S1 has 2-position switches, which have absolute control over loads.
- ACD6S2 has 3-position switches, which share control over load with ACD54D or ACD5N according to the switch positions:
 OVERRIDE ON — Switch overrides load to ON
 AUTOMATIC — ACD54D or ACD5N controls load
 OVERRIDE OFF — Switch overrides load to OFF
- ACD6S3 has 2-position switches, which have absolute control over loads.
- In two-way PLC Switch Panels LEDs indicate the PLC answer from Responder according to the two format tables. State format desired when ordering.
- Label above each switch / LED set is engraved and can be up to 4 alphanumeric characters.

FORMAT 1

LED INDICATOR	COMMAND	PLC REPLY
ON	ON	ON
OFF	OFF	OFF
ON BUT BLINK OFF	ON	NONE
OFF BUT BLINK ON	OFF	NONE
FLUTTER FOLLOWED BY ON	ON	OFF
FLUTTER FOLLOWED BY OFF	OFF	ON

FORMAT 2

LED INDICATOR	COMMAND
ON	ON
OFF	OFF