

## Adjustable Frequency Drives

## 2.7

## SVX Drives

## Options

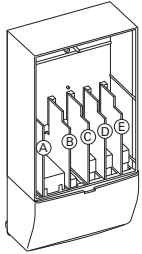
## SVX Series Option Board Kits

The SVX Series drives can accommodate a wide selection of expander and adapter option boards to customize the drive for your application needs. The drive's control unit is designed to accept a total of five option boards.

The SVX Series factory installed standard board configuration includes an A9 I/O board and an A2 relay output board, which are installed in slots A and B.

2

## Option Boards



## Option Board Kits

Option Kit Description <sup>①</sup>	Allowed Slot Locations <sup>②</sup>	Field Installed Catalog Number	Factory Installed Option Designator	SVX Ready Programs						
				Basic	Local/Remote	Standard	MSS	PID	Multi-P.	PFC
<b>Standard I/O Cards</b>										
6 DI, 1 DO, 2 AI, 1 AO, 1 +10 Vdc ref, 2 ext +24 Vdc/EXT +24 Vdc	A	<b>OPTA9</b>	—	■	■	■	■	■	■	■
2 RO (NC-NO)	B	<b>OPTA2</b>	—	■	■	■	■	■	■	■
<b>Extended I/O Cards</b>										
2 RO, therm	B	<b>OPTA3</b>	<b>A3</b>	—	■	■	■	■	■	■
Encoder low volt +5 V/15 V/24 V—SPX only	C	<b>OPTA4</b>	<b>A4</b>	—	■	■	■	■	■	■
Encoder high volt +15 V/24 V—SPX only	C	<b>OPTA5</b>	<b>A5</b>	—	■	■	■	■	■	■
Double encoder—SPX only	C	<b>OPTA7</b>	<b>A7</b>	—	■	■	■	■	■	■
6 DI, 1 DO, 2 AI, 1 AO	A	<b>OPTA8</b>	<b>A8</b>	—	■	■	■	■	■	■
3 DI (encoder 10–24 V), out +15 V/+24 V, 2 DO (pulse+direction)—SPX only	C	<b>OPTAE</b>	<b>AE</b>	■	■	■	■	■	■	■
6 DI, 1 ext +24 Vdc/EXT +24 Vdc	B, C, <b>D</b> , E	<b>OPTB1</b>	<b>B1</b>	—	—	—	—	—	■	■
1 RO (NC-NO), 1 RO (NO), 1 therm	B, C, <b>D</b> , E	<b>OPTB2</b>	<b>B2</b>	—	—	—	—	—	■	■
1 AI (mA isolated), 2 AO (mA isolated), 1 ext +24 Vdc/EXT +24 Vdc	B, C, <b>D</b> , E	<b>OPTB4</b>	<b>B4</b>	■	■	■	■	■	■	■
3 RO (NO)	B, C, <b>D</b> , E	<b>OPTB5</b>	<b>B5</b>	—	—	—	—	—	■	■
1 ext +24 Vdc/EXT +24 Vdc, 3 Pt100	B, C, <b>D</b> , E	<b>OPTB8</b>	<b>B8</b>	—	—	—	—	—	—	—
1 RO (NO), 5 DI 42–240 Vac input	B, C, <b>D</b> , E	<b>OPTB9</b>	<b>B9</b>	—	—	—	—	—	■	■
<b>Communication Cards</b>										
Modbus <sup>③</sup>	D, E	<b>OPTC2</b>	<b>C2</b>	■	■	■	■	■	■	■
Johnson Controls N2 <sup>③</sup>	D, E	<b>OPTC2</b>	<b>CA</b>	—	—	—	—	—	—	—
Modbus TCP	D, E	<b>OPTC1</b>	<b>C1</b>	■	■	■	■	■	■	■
BACnet	D, E	<b>OPTCJ</b>	<b>CJ</b>	■	■	■	■	■	■	■
EtherNet/IP	D, E	<b>OPTCQ</b>	<b>CQ</b>	■	■	■	■	■	■	■
PROFIBUS DP	D, E	<b>OPTC3</b>	<b>C3</b>	■	■	■	■	■	■	■
LonWorks	D, E	<b>OPTC4</b>	<b>C4</b>	■	■	■	■	■	■	■
PROFIBUS DP (D9 connector)	D, E	<b>OPTC5</b>	<b>C5</b>	■	■	■	■	■	■	■
CANopen (slave)	D, E	<b>OPTC6</b>	<b>C6</b>	■	■	■	■	■	■	■
DeviceNet	D, E	<b>OPTC7</b>	<b>C7</b>	■	■	■	■	■	■	■
Modbus (D9 type connector)	D, E	<b>OPTC8</b>	<b>C8</b>	■	■	■	■	■	■	■
Adapter—SPX only	D, E	<b>OPTD1</b>	<b>D1</b>	■	■	■	■	■	■	■
Adapter—SPX only	D, E	<b>OPTD2</b>	<b>D2</b>	■	■	■	■	■	■	■
RS-232 with D9 connection	D, E	<b>OPTD3</b>	<b>D3</b>	■	■	■	■	■	■	■

## Notes

- ① AI = Analog Input; AO = Analog Output, DI = Digital Input, DO = Digital Output, RO = Relay Output  
 ② Option card must be installed in one of the slots listed for that card. Slot indicated in bold is the preferred location.  
 ③ OPTC2 is a multi-protocol option card.