

XD-Indexer Servo Drive System Components

The XD-Series Indexer, a single axis integrated controller and servo drive delivers high performance motion control. Typical system components:

Servo Drive

- DC Power supply & cables
- Input power & cables
- Optional
 - E-Stop device
 - Regen resistor (SAC-SWRR)
 - Line Filter (SAC-LF)

Servo Motor (MAC-M)

- Power cable
- Feedback cable

Pacer Encoder (optional)

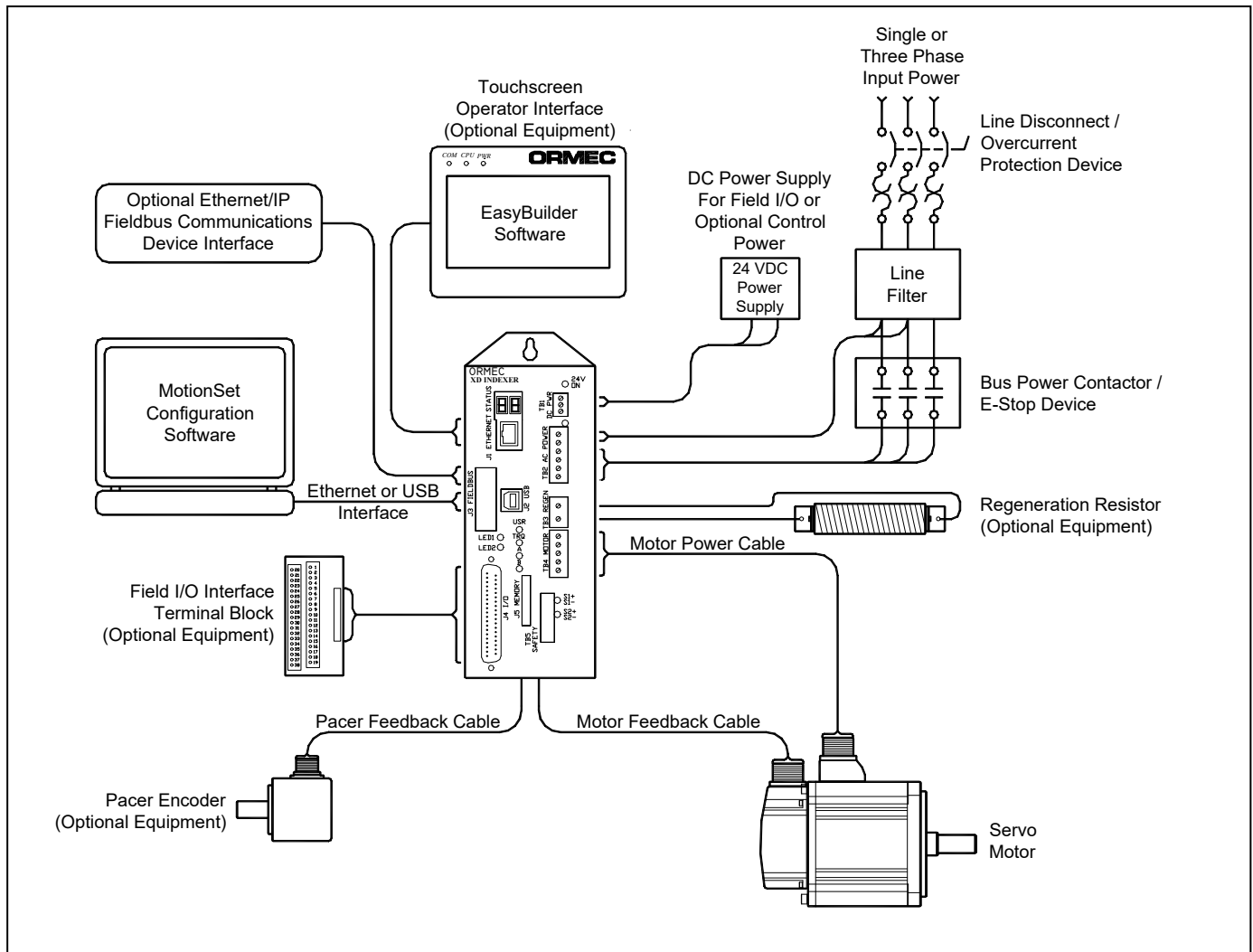
- Pacer cable

PC for Configuration Software

- Ethernet interface (preferred) or USB interface
- Motion Set software included

Operator Interface (HMI)

- MMI-MT8xx0iE series
- Easy Builder software included
- Ethernet crossover cable



XD-Indexer Configuration

Ordering Guidelines – From Indexer Reference Manual SAC-XD-01m

Rated Power		Series	Motor Voltage	Output Current	Feedback	Control Power ¹	Pacer (Aux) Feedback	I/O & Fieldbus	Regen ³	Safety Circuit										
		SAC-XD	V	AA	- F	C	P	F	R	S										
KW	HP																			
0.7	1.0	2 (200V)	03	N <small>(quad encoder, serial, EnDat)</small>	D A	0 (none) 1 (encoder)	0 <small>(digital: 14 in, 8 outs)</small>	0 R	0 (none) S (STO)											
1.2	1.6									05	D A	0 R								
2.4	3.2									10	D A	0 R								
3.6	4.8									15	D A	0 R								
6.0	8.0									25	D A	R								
8.4	11									35	D A	R								
14.0	19									60	S <small>(quad encoder, serial, EnDat)</small>	D A	R							
1.4	2.0									4 (400V)	03	R <small>(Resolver, SinCos)</small>	D		A <small>(controller/ analog)</small>	R				
2.4	3.2																	05	D	R
4.8	6.4																	10	D	R
8.1	10.9	17	D A	R																
12	16	25	D A	R																
17	22	35	D A ²	R																
24	32	50	D A ²	R																

Notes:

¹ Control power: D = 24 VDC, A=115-240 VAC

² AC Control power limited to 208-240 VAC

³ Regen: R = Regen support circuit present. External resistor required. 0 = no circuitry installed.

Application description:

XD-Indexer Configuration

Motor

Voltage/Current

- 230 VAC motor requires Indexer 200V series at ____ amps
- 460 VAC motor requires Indexer 400V series at ____ amps
- ORMEC Model MAC-M _____ - _____
- Other motor. Make and model _____
- Cable for power
- Cable for feedback

XD Indexer

Options

Feedback

- Encoder, Quadrature, Sigma II, Tamagawa, TS56xx
- EnDat 2.1, 18 bit
- Resolver

DC/AC Logic for Control power

- 115/230 AC Indexer model XD__ __ __ - __ A
- 24 VDC Indexer model XD__ __ __ - __ D

Pacer

- none
- include

Fieldbus Protocol

- MODbus/TCP (included)
- Ethernet/IP
- Profinet (forthcoming)

Regen

- none
- include

Safety

- none
- include

Indexer base part number: SAC-XD _ _ _ - _ _ _ _ _ _ _ _

I/O connections

- Terminal block plugs on Indexer. Order CON1110
- Only a few connections. Recommend CBL-XD-IO-X. Replace X with number of positions.
- I/O power supply. 1A included with Indexer with AC control power.

HMI

- MMI-MT8 _ _ _ Screen size _____