

# Control system

PO  
X45  
XS  
XL  
XLP  
X85  
X85P  
XH  
XK  
XKP  
X180  
X300  
GR  
CS  
XT  
WL  
XC  
XF  
XD  
XLX  
X85X  
X180X  
X300X  
GRX  
CSX  
ELV  
CTL  
FST  
TR  
APX  
IDX

## System information



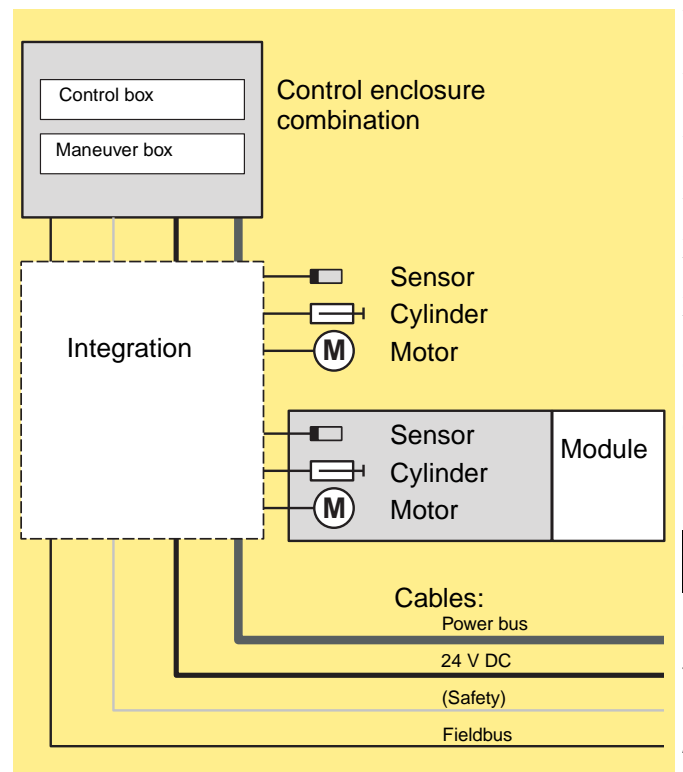
### General system architecture

The "Pallet Controls" concept provides standardized control enclosures for distributed line control.

#### Enclosure groups

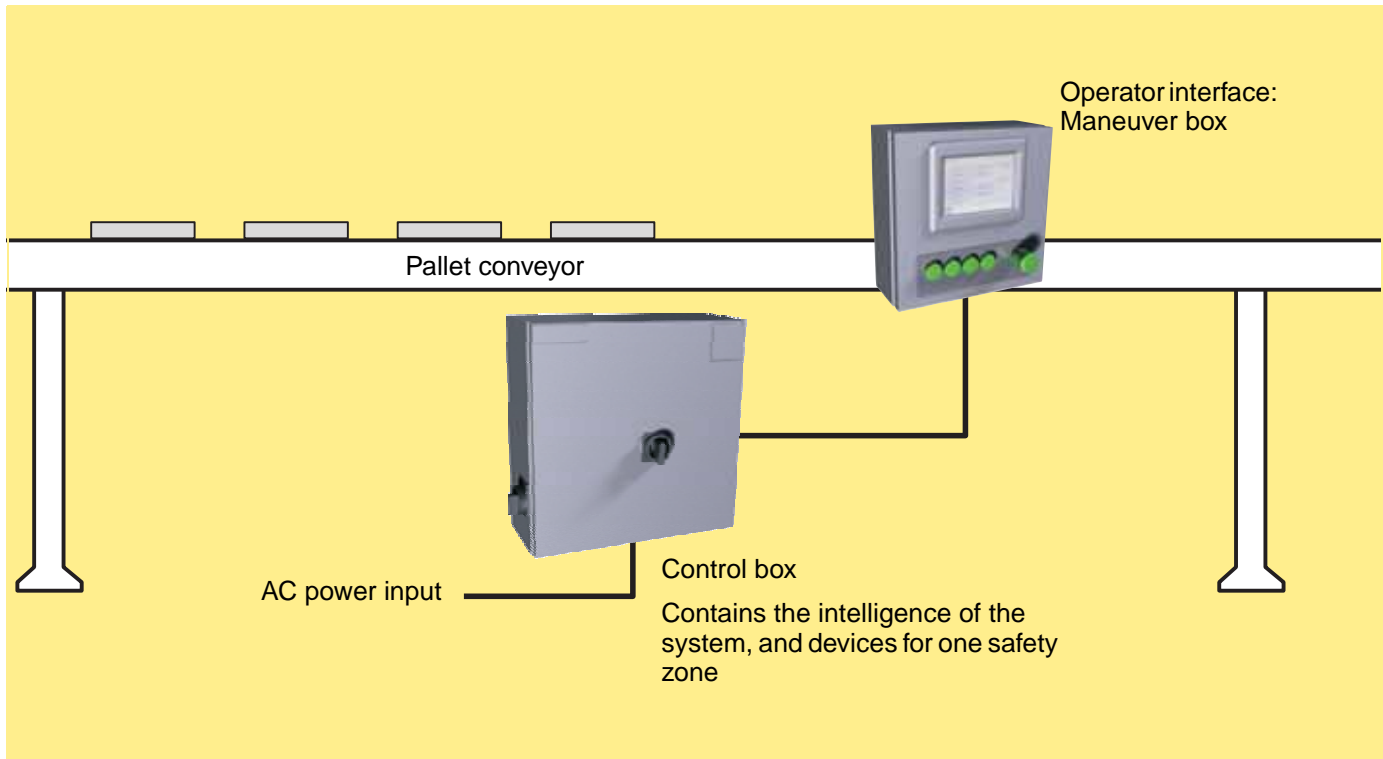
- Control box
- Maneuver box

Distributed line control means that all application initiators and actuators such as sensors, pneumatic cylinders and motors are controlled through distributed fieldbus slaves.



General system architecture

## Typical control system layout



A typical pallet system may include control enclosures as shown in the illustration above.

### Main features

#### *Control box*

- Starting point of the pallet control system
- Small physical size, can be placed under the conveyor away from the process area
- Controller with fieldbus master
- Power bus distribution (AC)
- 24 V DC distribution

#### *Maneuver box*

- Interface to the operator
- Includes a maneuver unit with START, STOP, and RESET push-buttons, an ALARM lamp and an EMERGENCY switch, which can be hard-wired directly to the control box
- Includes a 6 inch colour touch panel (HMI)

### More information

For detailed information about the control system products, please contact your FlexLink Systems representative, or go to [www.flexlink.com](http://www.flexlink.com).

Control boxes, single safety zone



Control boxes  
 EU, ASi + Profibus **5059417**  
 US, DeviceNet + Ethernet IP **5059613**

*EU = version for Europe, power bus 400 V 50 Hz*  
*US = version for USA, power bus 480 V 60 Hz*  
 For more information, see "Control box" on page 464.

Maneuver boxes

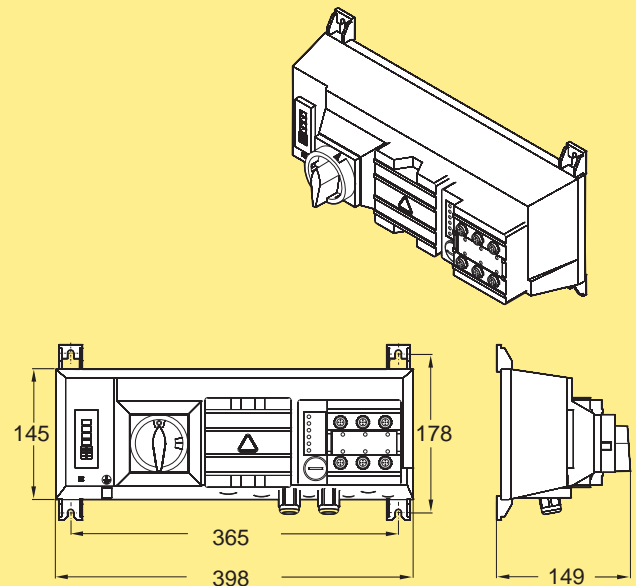


Maneuver boxes  
 EU, Maneuver unit + HMI, Profibus **5105206**  
 US, Maneuver unit + HMI, DeviceNet **5105207**

*EU = version for Europe, power bus 400 V 50 Hz*  
*US = version for USA, power bus 480 V 60 Hz*  
 HMI = Human Machine Interface (touch screen)  
 For more information, see "Maneuver box" on page 464.

Profibus, and DeviceNet type fieldbus interfaces are available. Type Z6 includes a power switch.

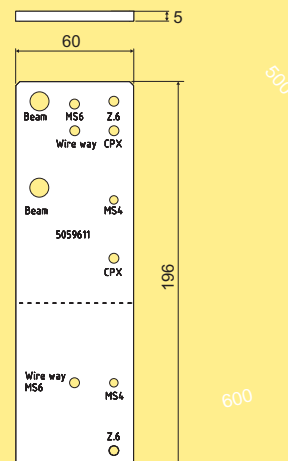
Field bus interfaces



Field bus interfaces  
 Z.6 Profibus **5057737**  
 (4 digital inputs and 2 digital outputs included, M12)  
 Z.6 DeviceNet **5057738**  
 (4 digital inputs and 2 digital outputs included, M12)

Accessories

Bracket kit for Air supply equipment, Field bus interfaces



Bracket kit **5111952**  
 Including one pair of bracket 5059611.

X45  
 XS  
 XL  
 XLP  
 X85  
 X85P  
 XH  
 XK  
 XKP  
 X180  
 X300  
 GR  
 CS  
 XT  
 WL  
 XC  
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