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Барнаул (3852)73-04-60
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Брянск (4832)59-03-52
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Custom System Controls



Customized for your specific plant operations

Coperion and Coperion K-Tron offer sophisticated automated system controls designed to execute the operations of bulk material handling systems with the client's specific needs in mind, using state-of-the-art PLC technology.

The automated control systems are developed, designed and manufactured in-house by our highly trained and skilled control engineers.

CUSTOM SYSTEM CONTROLS CATEGORIES

Simple Pneumatic Conveying

Provides a basic system control for pneumatic conveying utilizing an Allen Bradley or Siemens PLC and an onboard 7" LCD HMI. *Other PLC and HMI brands available upon request.*

Base unit provides the following specifics but is fully customizable.

Input: 20 / Output: 28

I/O Expansion Modules: Up to 7

Built-in Ethernet connection: Yes

Enclosure: 24"H x 24"W X 8"D

VPN Industrial Ethernet Module: Optional

Multiple Source / Destination Pneumatic Conveying

Provides a system control for multiple material handling systems and up to six Coperion K-Tron KCM Feeder Controllers via EtherNet/IP protocol utilizing an Allen Bradley or Siemens PLC and an onboard 10" LCD HMI. *Other PLC and HMI brands available upon request.*

Base unit provides the following specifics but is fully customizable.

Input: 32 Output: 32

I/O Expansion Modules: up to 4

Built-in Ethernet connection: Yes

Enclosure: 36"H x 36"W X 8"D

VPN Industrial Ethernet Module: Optional

Plant-wide System Controls

Provides a fully customized control system utilizing a wide selection of hardware including a variety of PLC's, HMI's, VPN Industrial Ethernet routers and more. Capabilities of the control system include pneumatic conveying, material handling, batch control, sequencing, lot tracking, recipe management, inventory control and others. The possibilities are endless.

Base unit provides the following specifics but is fully customizable.

Input: 32+ Output: 32+

I/O Expansion Modules: unlimited

Built-in Ethernet connection: Yes

Enclosures: Built to specification

VPN Industrial Ethernet Module: Standard

CAPABILITIES

- Custom programming
- Plug and play connection points
- Seamless interface between pneumatics and feeders
- Process and flow operating procedures
- High levels of accuracy
- Bench testing
- Simulation testing for custom programs
- Load analysis
- Complete documentation
- Enclosure layout (internal and external)
- Schematic wiring diagrams (JIC standards)
- Remote connection diagrams
- One-line or three-line power diagrams
- Electrical system flow
- Network diagram
- FAT and SAT

OPTIONS

- Various categories of compliance (ATEX, UL/CUL, CE and others)
- Motor starter panels
- Timer panels
- VFD panels
- Remote I/O panels
- Multi lingual HMI's and controls
- Motor control centers

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