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Standard Conveying Controls



Control solutions for your vacuum sequencing and material loading applications

To control the sequence of a Coperion K-Tron multi-component vacuum sequencing system we offer Series 4 Microprocessor (MPC) and Programmable Logic Controller (PLC) controls.

The LSR Controller is available for single central or self-contained units.

STANDARD CONVEYING CONTROLS

LSR Controller

The LSR (Loader Single Receiver) Controller consolidates several applications into one system, allowing the LSR to control a Coperion K-Tron vacuum conveyor for pneumatically conveying a wide variety of bulk materials. This economical controller provides accurate, reliable control for a variety of applications - filling by time or level - and various discharge configurations, including gravity or powered gate.

Series 4 MPC Controller

Controls up to 24 vacuum receivers on one blower with one back-up blower and is designed to be used with both P-Series and 2400 Series Receivers.

Low voltage, quick connect plugs allow the controller to be connected to the central controller without tools and generally does not require an electrician or conduit.

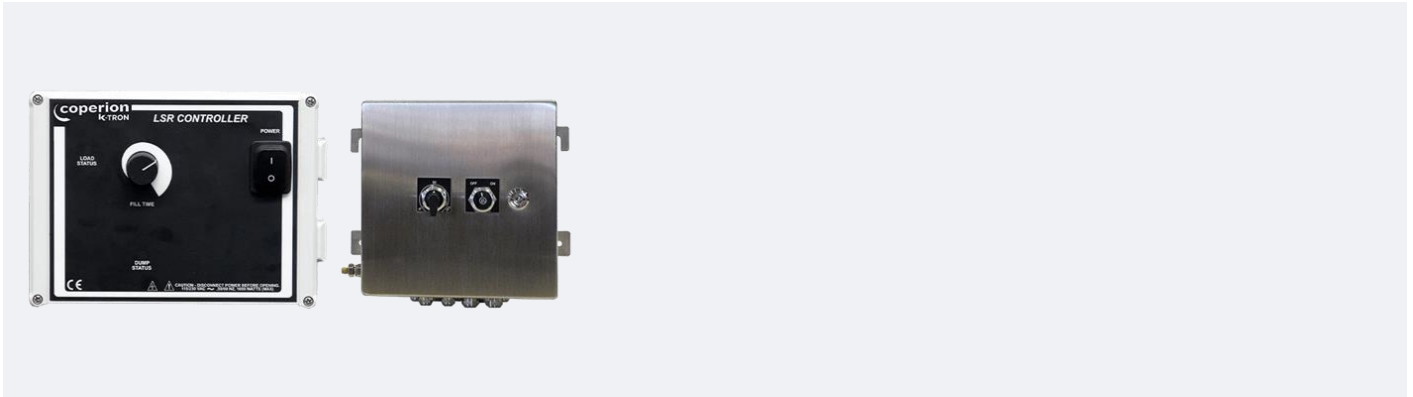
Series 4 PLC Controller

The Series 4 PLC Central Controller consists of two models: one controls up to 24 vacuum receivers any combination on 2 blowers. The other controls up to 32 vacuum receivers on 4 blowers with up to 8 receivers per blower. The Series 4 PLC Controller is designed to be used with both P-Series and 2400 Series Receivers.

A low voltage cable system with quick-connect plugs allows the receivers to be connected to the central controller without tools allowing for a less expensive electrical installation.

FEATURES AND DESIGN

- **LSR CONTROLLER**



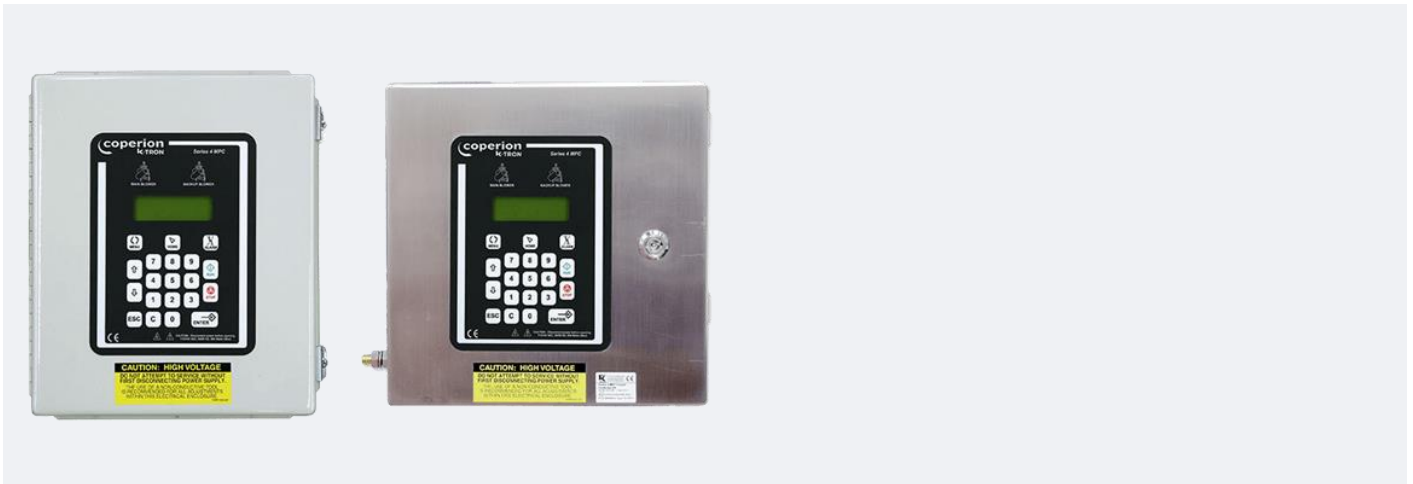
FEATURES

- Locally mounted with all 24 VDC sensors and actuators pre-wired
- Auto-switching power supply accepts either 115 or 230 VAC
- The front panel includes an on-off switch, potentiometer and multicolored LEDs
- The standard enclosure is made of durable poly carbonate
- Nine different operating modes
- In feeder refill applications, the LSR can be networked to the K-Tron Control Module (KCM) allowing monitoring and control of the LSR via all Coperion K-Tron Human-Machine-Interfaces (HMI)

DESIGN

- Enclosure: 6"H x 8"W x 3"D
- LED visual indicators
- CE Compliant
- Hazardous Location Options: NEC Class II, Div. 2, Group F&G, ATEX II 3D EX tD A22 IP66 T60 deg C
- Alarms: Process, No material detected, Overfill, Receiver proximity sensor high after discharge, Close proof failure (powered gate feedback)

- ## SERIES 4 MPC CONTROLLER



FEATURES

- Microprocessor central control unit featuring an easy-to-use, touch sensitive key pad
- The operator controls the whole system, including turning receivers on and off, setting draw times from one central location and starting the system blower package
- Integrates into the Coperion K-Tron SmartConnex feeder controls, providing one simple control solution for both feeders and vacuum sequencing receivers
- Communicates with the K-Vision line controller
- The units ships pre-programmed, eliminating complex logic programming

DESIGN

- Enclosure: 12"H x 10"W x 5"D
- LED visual indicators
- CE Compliant
- Hazardous Location Options: NEC Class II, Div. 2, Group F&G, ATEX II 3D EX tD A22 IP66 T60 deg C
- 5 languages available: English, German, French, Spanish, Italian
- Standard Programmable features: Program receivers to fill-to-level or by time, 4 programmable receiver modes, 4 programmable pulse-clean modes, Access protection, Blower shutdown, Blower select

- ## SERIES 4 PLC CONTROLLER



FEATURES

- User-friendly touch screen for system status and control with an alarm message screen
- The operator can turn receivers on and off, set fill times and control and view all system functions
- Pre-programmed for a full system of receivers
- No changes are needed to add receivers at a later date
- Detailed help screens include system installation, programming and troubleshooting information
- A dry contact alarm output is provided for customer connection to a horn or beacon

DESIGN

- Enclosure: 14"H x 17"W x 6"D
- 7" color touchscreen with screensaver
- CE Compliant
- IP65 [NEMA 12] enclosure
- Hazardous Location Options: NEC Class II, Div. 2, Group F&G
- Standard Programmable features: Program receivers to fill-to-level or by time, 5 programmable receiver modes, 5 programmable pulse-clean modes, Access protection, Blower shutdown, Blower select

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