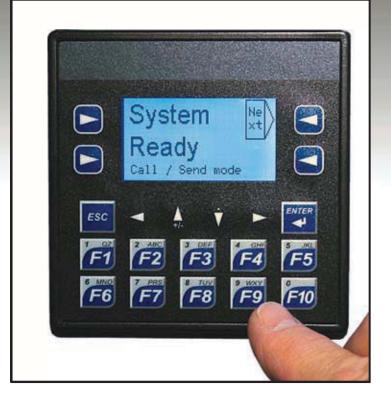# WILDECK™

ELEVATE YOUR STANDARDS

AutoSenz™ Overload Detection System

for Mechanical VRCs
(Vertical Reciprocating Conveyors)

- Protects Lift from Jams
- Senses Overload Conditions
- Signals Operator to Take Action
- Records VRC Events / History
- Easy-to-Use Pushbutton Controls
- Intuitive Digital Display
- Continuous VRC Monitoring
- Extensive System Diagnostics
- Available for All Mechanical Lifts
- Protects Lift Components
- Increases VRC Uptime
- Extends VRC Life
- U.S. Patent No. 7,408,317

VRC Overload Detection System

Custom mechanical VRCs (vertical reciprocating conveyors) manufactured by Wildeck are now available with the advanced AutoSenz™ overload detection system which includes an easy-to-read graphical display interface and extensive system diagnostics that make the VRC much easier to use and understand.

Wildeck's breakthrough AutoSenz™ technology (Patent No. 7,408,317) continuously monitors and protects your VRC from jams or material overload conditions. The AutoSenz™ system automatically determines the overload setpoint each time the VRC motor starts lifting, which is far superior and safer than fixed setpoint motor overload systems.

When a VRC is raised, bulky material has the potential to shift and accidentally project off the side of the carriage, entering the running/clearance zone. This material could then become wedged between the carriage and side of the building, or other equipment/structure. Since standard VRCs are designed to provide their full lifting force, an accidental jam could cause severe equipment and facility damage.

Wildeck's new AutoSenz™ overload detection system has been designed to stop the VRC in its tracks and alert the operator so corrective action can be taken.

GENERAL SPECIFICATIONS

INNOVATIVE DESIGN

Wildeck VRCs with AutoSenz™ technology are the most innovative and safe mechanical lifts available. They are well suited for multi-level applications demanding faster speeds and higher frequency rates.

Whether your installation requires a single mechanical lift or multiple VRCs, Wildeck's AutoSenz™ overload detection system is essential to reduce potential damage to your facility, equipment or inventory due to VRC overloads or jams.

VRC DIAGNOSTIC MESSAGES

If the AutoSenz™ system detects a reason to stop the VRC's travel, an easy-to-understand text message will be displayed for the operator. Examples include:

Status	Description
Carriage Jam	Carriage has jammed.
Over Capacity	Carriage load too heavy.
Gate Open	Gate interlock open contact not made.
Phase Loss	Motor was single phased.
E-Stop	E-Stop pushed and not reset.
Motor OL Relay	Motor overload relay tripped.
Carriage O.T.	Over travel limit switch was tripped.
Chain Fault	Chain limit switch was tripped.
CR Fault	Monitors control redundancy.
Floor LS Fault	Two different floor level limit switches were ON at once.
Missed Floor	Carriage missed the desired middle floor.

APPLICATIONS:

- Distribution Centers
- Warehouses
- Manufacturing
- Military Installations
- Government Facilities
- Assembly Plants
  ...and more

MECHANICAL LIFTS:

- Heavy-duty 4-Post
- Straddle
- Cantilever
- Automated Lifts

DIGITAL CONTROLLER

The integral digital controller communicates a wide range of functional data, VRC status and a complete VRC event history log - features that are not available from other VRC manufacturers. Displays include:

- Main Systems Status
- VRC Event/History Log
- Real-Time I/O Status
- Motor Amperage Meter
- VRC Parameter Setup (password-protected)
- Maintenance Mode/Jog Control
- Additional Control Screens

ELEVATE YOUR STANDARDS

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