



**ELEVATE
YOUR
STANDARDS®**

LIFTS

SmartControl™

for Hydraulically-Operated Lifts (VRCs)



VRC Fault history is conveniently saved in the SmartControl™ PLC's memory while error messaging can be easily accessed on a digital panel inside the control cabinet for quick diagnosis by a qualified technician or an electrician.

Wildeck's SmartControl™ system is a major advancement in control technology for hydraulically-operated lifts (VRCs). Older controls stopped the VRC on an error without signaling the cause of the problem. Now, with SmartControl™, users are immediately informed that a fault has occurred, as well as the cause, by sounding an audible alarm specific to the fault condition.

- ▶ Fault-specific audible alarm (with adjustable volume)
- ▶ Accurate solid state pressure sensor
- ▶ Pre-programmed with Wildeck's AutoSenz® software
- ▶ Extensive system diagnostics and VRC fault detection

Advanced SmartControl™ System

Wildeck's SmartControl™ system for hydraulically-operated VRCs (Vertical Reciprocating Conveyors) protects the machinery by sensing when faults occur. The SmartControl™ system immediately sounds an audible alarm specific to the fault condition. This saves precious time for the operator to quickly identify the fault and make necessary corrections before the lift or its cargo are damaged. SmartControl™ placards (displayed left) are located at each station to describe the ten potential fault conditions that are announced via the system's audible alarm.

Wildeck's advanced SmartControl™ system provides the best overall value and ease of operator use for your VRC investment. Contact a Wildeck sales representative today to discuss a smarter solution for your material lifting needs.

Vertical Conveyor Diagnostics

AUTOSENZ WILDECK

Short Tone = 1/2 Sec On Long Tone = 1 Sec On

Horn Tone	Condition
1 Short	Close Lower Gate
2 Short	Close Upper Gate
3 Short	Close Carriage Gate(s)
4 Short	Check E-Stop Buttons
5 Short	Over Capacity, Reduce Load, Send Down
1 Long	Check for Jam, Send Down
2 Long	Motor Chatter / Repair
3 Long	Run Time / Repair
4 Long	Do Not Use / Repair
Continuous	Do Not Use / Gate or Carriage Issue / Repair

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SMARTCONTROL™

GENERAL SPECIFICATIONS



The SmartControl™ Difference

The highly accurate SmartControl™ controller utilizes a long-life and robust **digital pressure transducer that replaces the older mechanical pressure switch that other lift manufacturers use.** No more mechanical components to wear, drift, or get damaged.

The SmartControl™ system will also save your lift equipment by faulting out if the hydraulic oil pump motor is started too often, runs too long, or does not build up the required pressure due to a no-oil condition.

The SmartControl's intelligent PLC also includes Wildeck's patented AutoSenz® anti-jam feature (U.S. Patent No. 7,408,317) for hydraulic VRCs that protects the lift and its cargo should a jam or overload condition occur.



The advanced SmartControl™ system now comes standard with all new hydraulically-powered vertical reciprocating conveyors (VRCs).

Simply put... SmartControl™ is D.A.S.H.!

(D) DIAGNOSTICS:

- ▶ “Audible” diagnostics for the operator, as a series of “beeps” (with controllable volume).
- ▶ “Text Based” on the PLC controller inside the control panel for setup and trouble-shooting by an authorized service technician.

(A) AUTOSENZ®:

- ▶ Now Wildeck's patented AutoSenz® jam sensor (U.S. Patent No. 7,408,317) with diagnostics is available on all hydraulic and mechanical VRCs.

(S) SOLID-STATE:

- ▶ Highly accurate and robust solid-state pressure transducer.
- ▶ Smart Allen-Bradley PLC is factory pre-programmed with included error messaging and fault history display. No more old-fashioned, out-of-date relay logic.

(H) HISTORY:

- ▶ For enhanced maintenance, servicing, and trouble-shooting, Wildeck's SmartControl provides a “fault history” as a function of our solid-state PLC controller. See what your current fault is, and see what has been happening with your lift.



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For the operator, SmartControl™ placards are available at each lift station to describe ten potential fault conditions that are annunciated via the system's audible alarm.



GUARDS
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ACCESS

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