



C4 Smartrise Controller Catalog



C4 Smartrise Controller Catalog Installation Guide

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C4 Smartrise Controller Catalog



Product Information

Specifications

- **Max Speed:** 2,000 fpm
- **Max Openings:** 128
- **Dimensions:** L – 39H x 30W x 14D, XL – 48H x 36W x 16D
- **Cabinet:** NEMA 1, 4, 4x*
- **Power Regen:** Dynamic Breaking Resistors

Product Usage Instructions

Features and Services

- Smartrise controllers can be customized to fit your exact specifications. You can add features such as compliant cabinets, air conditioning units, isolation transformers, encoders, ripple filters, and harmonic filters.
- Contact the Sales Department for more information.

Traction Controllers

- **Application Feedback:** Supports geared, gearless, overhead, basement, and machine room-less systems

- **Dispatch:** Up to 8 car group

Cabinet Specifications

- **Dimensions:** 48H x 36W x 16D
- **Cabinet Type:** NEMA 1*
- **Power Regen:** Dynamic Breaking Resistors

Optional Accessories

- Optional accessories for the product include destination-based dispatching, an air conditioning unit, an isolation transformer, a load-weighing device, an AC motor (AC only), an emergency rescue device, and a voice annunciator.
- Replacement parts are available through Smartrise and other vendors.

FAQ

- **How can I order a customized controller?**
 - To order a customized controller, contact the Sales Department at sales@smartrise.us or call 4696788000.
- **What is the warranty period for Smartrise controllers?**
 - All controllers come with a 5-year warranty provided by Smartrise Engineering.

INTRODUCTION

WHO WE ARE

Smartrise Engineering was founded in 2004 and has always been guided by the following principles: provide a top-quality product, offer our customers the greatest possible value, and utilize an unparalleled customer service and technical support team that will assist our customers throughout the lifetime of the controller. Now offering a 5-year warranty on all controllers, Smartrise stands behind our product.

WHAT WE DO

- **Open Market Technology:** With our non-proprietary Smartrise Universal Boards (SRU) installed in every controller we ship, Smartrise controllers are more efficient, are simple to install, can be serviced and maintained by in-house employees, and have spare parts available via third-party vendors.
- **Our Controllers:** Smartrise's next-generation C4 traction controller is perfect for any project, from a 3-story building to the high-speed high-rise market. C4 can reach speeds up to 2000 fpm and handle up to 128 openings.
- Smartrise's open-market technology is also used in our SRH hydraulic controllers, which thousands of buildings all across North America rely on.
- **Additional Features:** Customers can add to their controllers depending on their needs, including features like A/C Units, up to NEMA 12 Rated Enclosures, Harmonic Filters, Isolation Transformers, Card Reader Access, Destination-Based Dispatching, and many more.

- **Monitoring:** Machine Room, On-Site, and Remote Monitoring are available. All three provide minute-to-minute updates on the health and safety of the elevators.
- **Training:** Customers can receive training on the installation and maintenance of their Smartrise controllers through a phone call, webinar, or on-site.
- **Technical Support:** Smartrise Technical Support is available whenever you require assistance, 24/7.

ALL TYPES OF BUILDINGS, ALL SIZES

- Apartment Complexes
- Hospitals
- Oil And Gas Refineries
- Government Buildings
- Embassies
- Stadiums
- Hotels
- And Many More



OFFICES & RETAIL



UNIVERSITIES



HIGH-RISES



STADIUMS



HOTELS

CUSTOMIZE YOUR CONTROLLER

- Smartrise works with you to make sure your new controller fits the exact specifications you need.

Add the following features and services to your Smartrise controller:

- AC Motor
- Battery Lowering Device
- Card Reader Access
- Cross Registration
- Custom Labeled Traveler & Hoistway Cables
- Destination-Based Dispatch
- Door Power Supply
- Emergency Rescue Device
- Load Weighing Device
- On-Site & Remote Monitoring
- OSHPD Certification and ASME Compliant
- NEMA Rated 1, 4, 4x, 7, and 12 Cabinets
- Power Regenerative Kit
- SmartConnect Pre-Wired Inspection Box
- VIP Access
- Voice Annunciator Interface
- And Many More



TRACTION CONTROLLERS

AC



APPLICATION	Supports geared, gearless, overhead, basement, and machine room-less
FEEDBACK	Distance and velocity
DISPATCH	Up to 8 car group
MAX OPENINGS	128
MAX SPEED	2,000 fpm
DIMENSIONS	L – 39"H x 30"W x 14"D XL – 48"H x 36"W x 16"D
CABINET	NEMA 1, 4, 4x*
POWER REGEN	Dynamic Breaking Resistors

DC



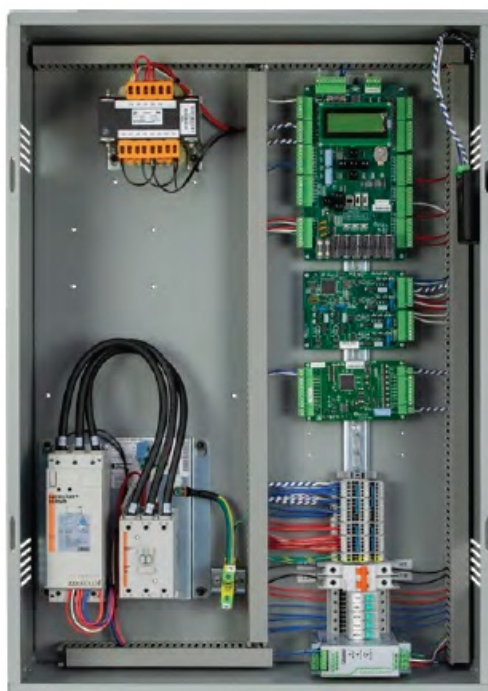
APPLICATION	Supports geared, gearless, overhead, basement, and machine room-less
FEEDBACK	Distance and velocity
DISPATCH	Up to 8 car group
MAX OPENINGS	128
MAX SPEED	2,000 fpm
DIMENSIONS	48"H x 36"W x 16"D
CABINET	NEMA 1*
POWER REGEN	Dynamic Breaking Resistors

Optional Accessories

- On-site and Remote Monitoring
- SmartConnect Pre-wired Inspection Box
- Power Back Regenerative Kit
- Harmonic Filter
- Card Reader Access
- Traveler and Hoistway Cables
- NEMA Enclosures
- Destination-Based Dispatching
- Air Conditioning Unit
- Isolation Transformer
- Load-Weighing Device
- AC Motor (AC Only)
- Emergency Rescue Device
- Voice Annunciator

HYDRO EVOLVED

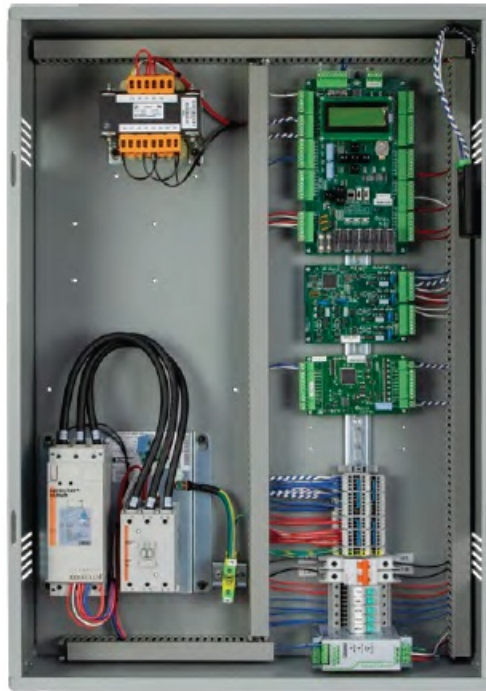
- Backed by an unmatched 5-year warranty, Hydro: Evolved is a leap forward in hydraulic elevators.
- With advances in leveling times, new on-site software and parameter capabilities, less wires in traveling cable and wireless functions, the Hydro: Evolved will extend the life of your equipment, increase efficiency, and provide cost benefits!



APPLICATION	Hydraulic, machine, and machine room- less
FEEDBACK	Distance and velocity
DISPATCH	Up to 8 car group
MAX. OPENINGS	10
MAX. SPEED	200fpm
DIMENSIONS	34"H x 24"W x 10"D
CABINET	NEMA 1, 4, 4x, and 7

Optional Accessories

- Local and Remote Monitoring
- Destination-Based Dispatching
- SmartConnect Pre-Wired Inspection Box
- Isolation Transformer
- Digital Pressure Sensor
- Emergency Rescue Device
- Voice Annunciator Interface
- Card Reader Access
- Traveler and Hoistway Cables
- Air Conditioning Unit
- Our newest feature is the Adaptive Slowdown. It increases the life of your hydraulic equipment by using software-based logic that will automatically change slowdown targets to maintain the field user-defined leveling time.
- This will reduce heat produced by longer leveling times, lower electrical energy usage, and provide floor-to-floor and dispatching performance saving you time and money while giving passengers consistent rides.



Additional Features

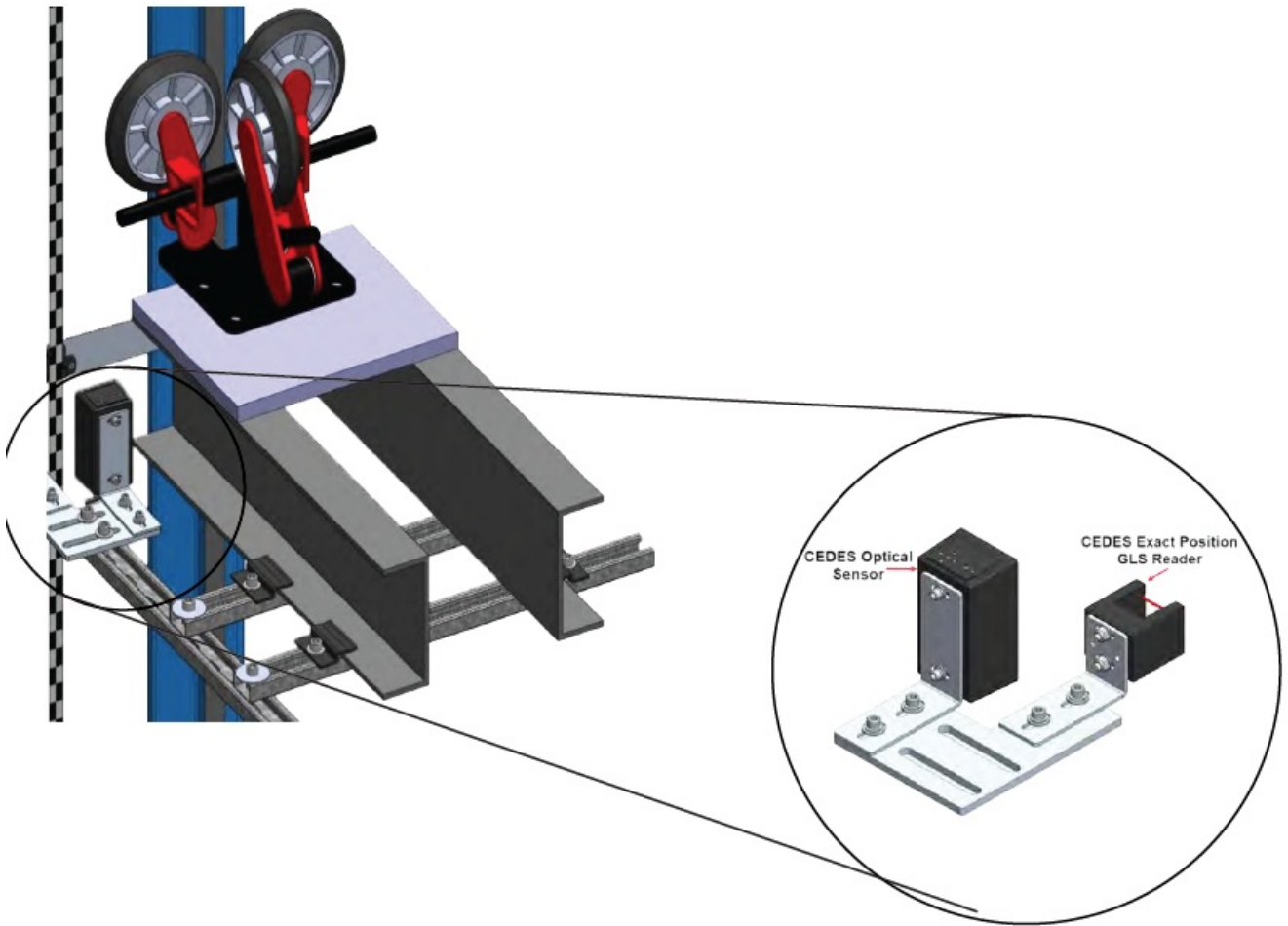
- With a DAD unit (Data Acquisition Device) you can connect wirelessly to a Graphical User Interface, download software, have an infinite record of data, and be Remote, Lobby, and Cloud monitoring ready.
- For grouped cars, the addition of a riser board will eliminate the need for a group box.
- Fewer wires in traveling cable.
- Less Cartop to COP connections
- Valve coil performance management via a software-based logic that provides additional safety by detecting earlier signs of coil failures.

On-Site Capabilities

- You can program inputs/outputs from any board to any board.
- Ability to set the number of floors & openings.
- Ability to set valve & starter type.
- You can add expansion boards on-site in the Machine Room, Cartop and COP to add 8 inputs/outputs per board without software.
- If a board replacement is needed, you can extract/reload parameters from any board.
- Add hall boards/nodes without software.

LANDING SYSTEM

- Smartrise's Landing System uses a dual sensor configuration to create our Absolute Positioning System with redundancy that meets the codes and standards of the industry.
- Using sensors instead of mechanical switches creates a contactless solution that lowers maintenance costs while being more reliable and precise.



General Specifications and Benefits

- Simple to align and adjust
- Smartrise uses the CAT5 Network, which uses fewer wires and simplifies installation
- Certified according to IEC 61508, and approved in elevator applications according to EN81 -1/-2, EN 81- 20/50, and ASME A17.1 and A17.5
- Smartrise APS (Absolute Positioning System) monitors cars to the .5 mm, using a redundant dual-sensor camera system that reads the position and velocity of the car.

DESTINATION-BASED DISPATCHING

- Beat the rush with Destination-Based Dispatching, a destination-based passenger system that helps prevent backups during peak times and substantially reduces wait times.
- Before entering the elevator, passengers select their desired floor from a touchscreen or keypad. The system calculates the most efficient route and directs the passenger to the appropriate car based on current traffic patterns.
- The result is a reduction in wait times with increased efficiency and performance.
- Perfect for hotels, high-rise office buildings, and apartment complexes, Destination-Based Dispatching touchscreens or keypads can be placed only at the lobby level while keeping traditional “up” and “down” buttons on all remaining floors, or be implemented on every floor, giving your building a complete destination-based system. Integrated voice guidance provides ADA compliance for the visually impaired.



SYSTEM BENEFITS

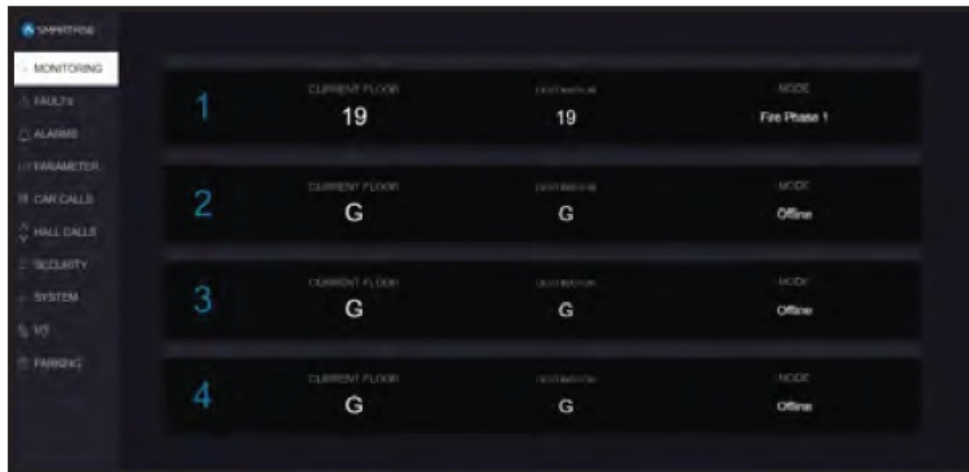
- State-of-the-art elevator system
- Market differentiation
- Beneficial for mid- and high-rise applications
- Lower long-term operating costs
- Non-proprietary
- Supports an array of fixtures
- Improve building security

USER BENEFITS

- Intuitive & easy to use
- Personalized experience
- Efficient passenger handling
- Increased traffic flow
- Optimizes time to destination
- Tenant flexibility

C4 MACHINE ROOM MONITORING

- Smartrise's Machine Room Monitoring lets you check the health of all cars in a group, showing mechanics real-time data for each car, including which floor, car direction, car speed, and if a fault has occurred.
- Smartrise MRM also allows you to adjust any parameters, activate and deactivate Car Call Security, and place car and hall calls.
- Mechanics and engineers will be able to view and store all this information while also updating software on the fly.



BENEFITS

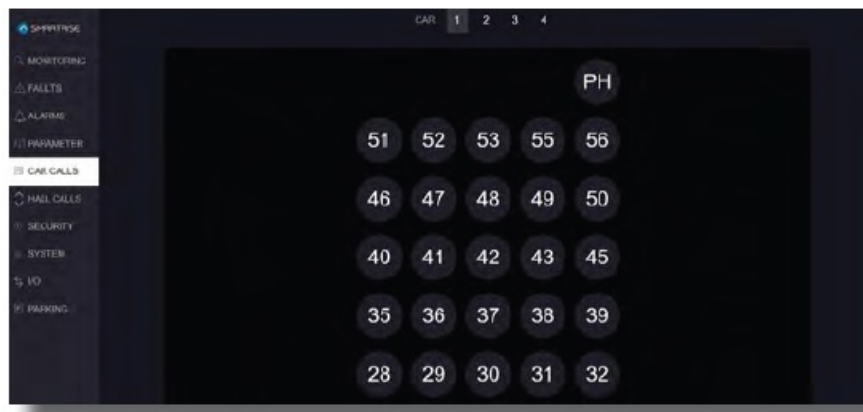
- Store faults and alarms
- Adjust any parameters
- Adjust inputs and outputs
- Adjust the time in a group
- Update software, backup parameters, and restore parameters
- Display real-time data of each car (floor, direction, speed, door states, if a fault has occurred)

The screenshot shows the Smartrise Machine Room Monitoring interface with the FAULTS tab selected. It displays a table of faults with columns: Car, Fault, Name, Description, Solution, and Date. A 'CLEAR FAULTS' button is visible in the top right corner.

Car	Fault	Name	Description	Solution	Date
1	F350	MIB Param Sync	Parameters are synchronizing	NA	2019-10-15 02:18:37
1	F350	MIB Param Sync	Parameters are synchronizing	NA	2019-10-15 02:17:28
1	F350	MIB Param Sync	Parameters are synchronizing	NA	2019-10-15 02:17:12
1	F350	MIB Param Sync	Parameters are synchronizing	NA	2019-10-15 02:16:20
1	F350	MIB Param Sync	Parameters are synchronizing	NA	2019-10-15 02:15:47
1	F350	MIB Param Sync	Parameters are synchronizing	NA	2019-10-15 02:22:40
1	F350	MIB Param Sync	Parameters are synchronizing	NA	2019-10-15 02:22:09
1	F350	MIB Param Sync	Parameters are synchronizing	NA	2019-10-15 02:21:47
1	F350	MIB Param Sync	Parameters are synchronizing	NA	2019-10-15 02:21:30
1	F350	MIB Param Sync	Parameters are synchronizing	NA	2019-10-15 02:20:04
1	F350	MIB Param Sync	Parameters are synchronizing	NA	2019-10-15 02:19:57
1	F350	MIB Param Sync	Parameters are synchronizing	NA	2019-10-15 02:19:54
1	F350	MIB Param Sync	Parameters are synchronizing	NA	2019-10-15 02:18:51

FEATURES

- Display real-time data of each car in multiple groups
- Place car calls and hall calls
- Activate and deactivate car call security



SMARTVIEW

Monitor your Smartrise elevator controllers and view the full history of your cars with SmartView Machine Room Monitoring. SmartView MRM software gives the user an operational overview of connected elevators, collects real-time data, and allows the user to interact with their controllers. With four different levels of access, SmartView MRM lets owners decide the level of access each employee has, from only viewing elevator status to the ability to make advanced program changes.



- Designed to run on any Windows-based computer located within 500 feet of your Smartrise elevator controller, SmartView Machine Room Monitoring can store years of historical data that can be used for custom reports.
- These types of reports include info on faults, traffic, performance, and in-service time.

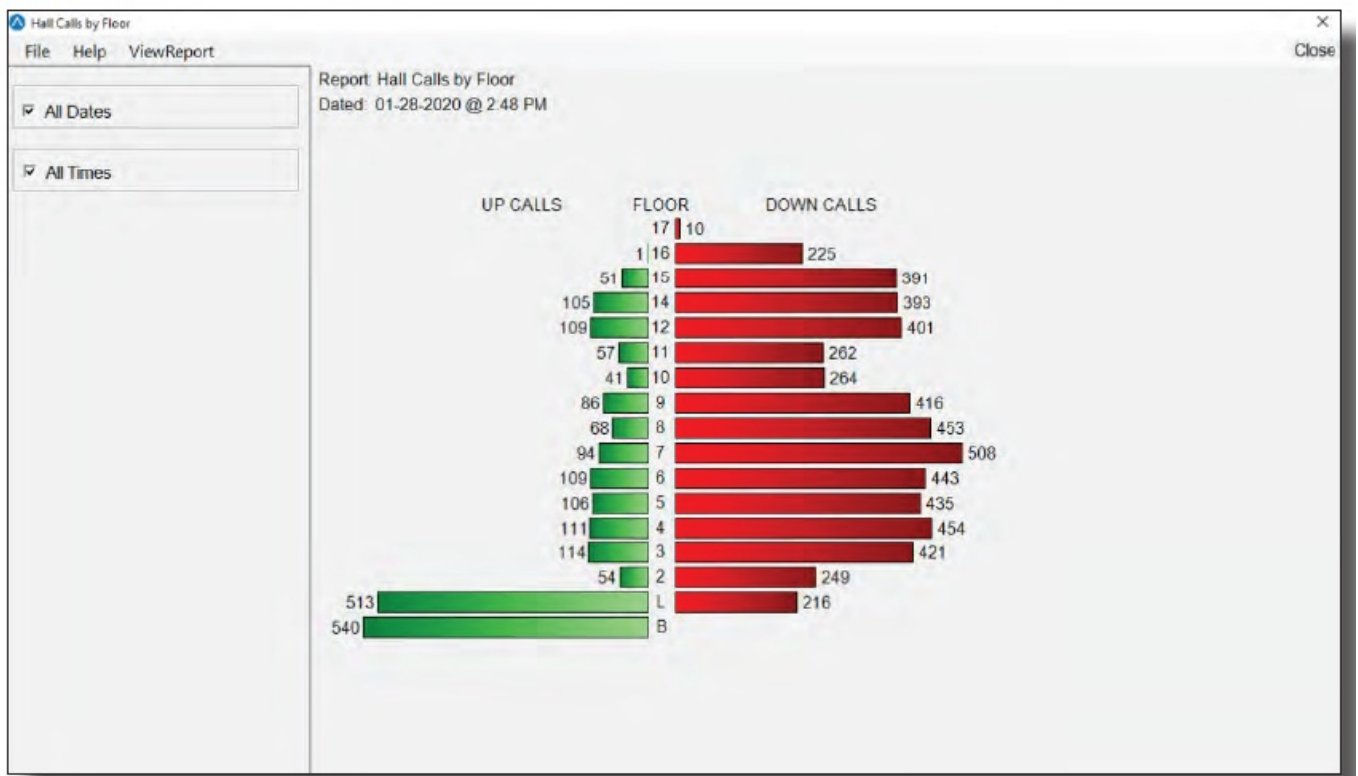
FULL REPORT LIST

- **Faults**
 - Fault summary
 - Fault history
 - Fault definitions list
- **In-Service**
 - In-Service overview
 - Out-of-Service list
- **Traffic**
 - Car use
 - Hall calls placed
 - Car calls placed
- **Performance**
 - Wait times

- Average by floor
- Average by time of day
- Distribution by time of day
- Distribution by wait time
- Longest wait time list
- Door times
- Floor-to-Floor times
- Other
 - Events

ACTIVEVIEW

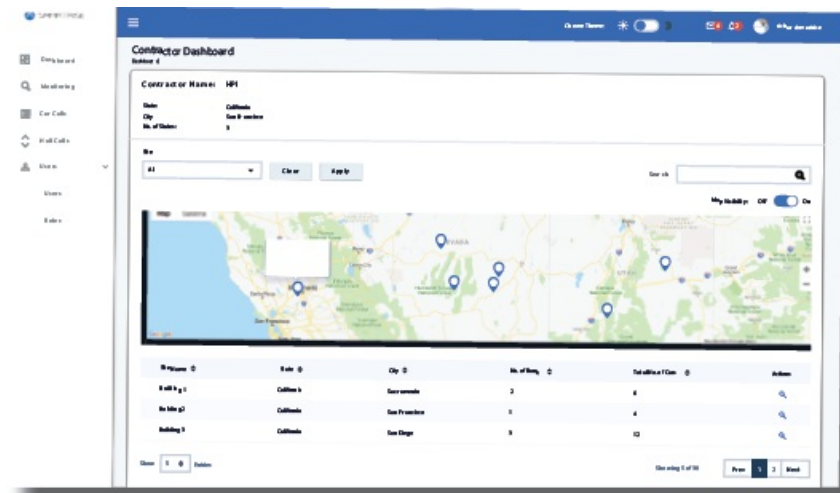
See real-time information about your elevators in ActiveView.



ActiveView lets the user view Hall Call Reports, Car Call Reports, as well as Faults and Alarms.

REMOTE MONITORING

- Smartrise's Remote Monitoring uses the technology inside every Smartrise controller to keep track of all your elevators, no matter where you are in the world.
- Remote Monitoring automatically collects detailed information about minute-to-minute operations, system events, faults, and operating status.
- The Remote Monitoring server communicates with elevators and group dispatchers through your Monitoring Interface, collecting and evaluating elevator health and performance.
- Going beyond a passive database tool, Remote Monitoring can be easily configured to automatically contact maintenance and administrative personnel whenever a problem arises.
- You can also schedule days and times to make contact in advance.

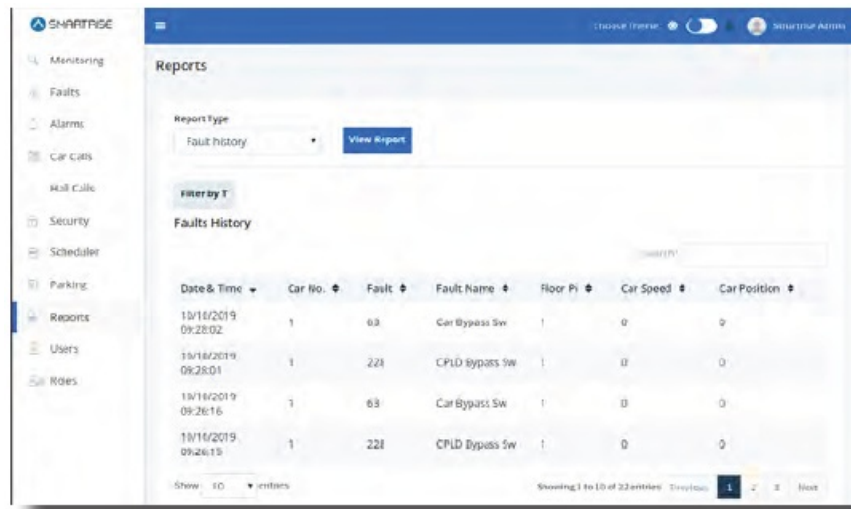


BENEFITS

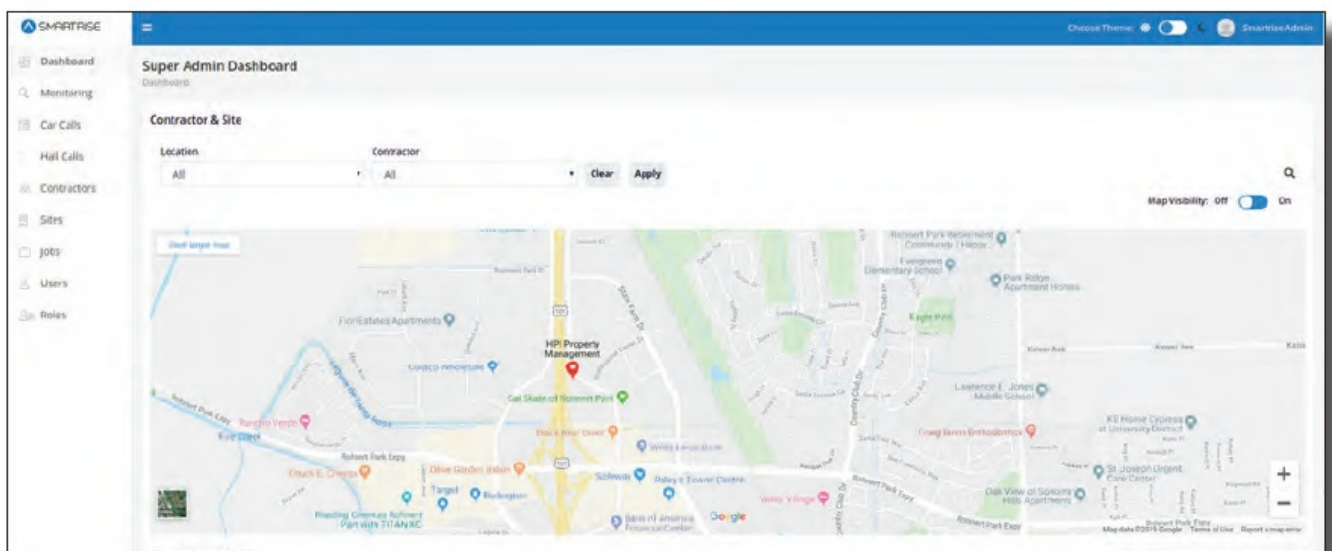
- Retain records of building elevator traffic
- View or print report screens
- Save historical data to the database
- Log maintenance activity
- Collect, store, and recall system information for performance analysis or other needs
- Automatically alert maintenance and other selected personnel when required

PRECONFIGURED REPORTS

- Hall Call Performance
- Hall Call Analysis
- Traffic Analysis
- Hall Call Log
- Car Call Log
- Event Log
- Emergency Log
- Maintenance Log
- Percent In-Service
- Remote Monitoring collects data needed to track the performance of your elevator systems and to monitor elevator traffic over time.
- The Hall Call Log allows you to analyze hall call wait times, permitting the user to filter the information by date, time, car number, initial call floor, riser, travel direction, door location, and minimum/maximum wait times.
- Administrators can flag and highlight selected wait time criteria. The Hall Call Analysis report displays all hall calls placed and group wait times according to user criteria.

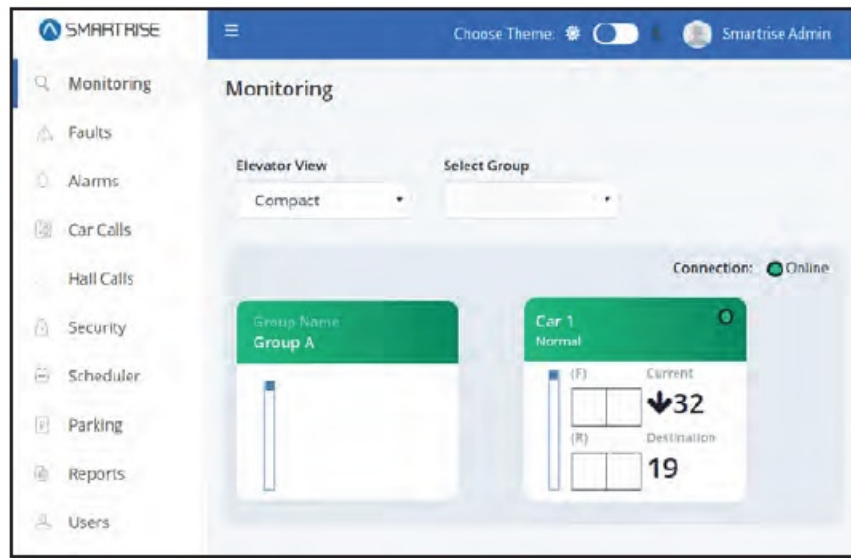


- While data collected by the Remote Monitoring Interface resides in the building, all features and functions are accessible securely from the 'Cloud.' The user must present the required credentials, and the building management and servicing company must allow the data/control to be available beyond the building walls. After those requirements are met, users can access all Remote Monitoring data with a standard internet connection (25/25 MBps or higher is required).
- The authorized user can connect with any device that supports a browser with no application installation required, and access is included for the lifetime of the product.
- Once connected, all information in the current log is immediately available. Select from pre-configured reports, pick start and end times, and information from the database is presented in a simple, precise format.
- Remote Monitoring can also be extended to include our On-Site Monitoring features where access and controls are limited to connections within the building.
- If you connect with a browser running on a PC device (or similar), Remote Monitoring allows you to save historical data to a file to print reports.



ON-SITE MONITORING

- Smartrise's On-Site Monitoring uses the technology inside every Smartrise elevator controller to automatically collect detailed information about minute-to-minute operations, system events, faults, and operating statuses.
- More than just a passive database tool, On-Site Monitoring can be easily configured to automatically contact your workstation whenever a problem arises.



- On-site monitoring communicates with elevators and group dispatchers through Ethernet and TCP/IP. The server resides on the Local Area Network (LAN) with the elevator equipment.
- You can log on to the server using any workstation running the Smartrise Client application.
- Once connected, all information in the current log is immediately available. Select from pre-configured reports, pick start and end times, and information from the database is presented in a simple, precise format.
- On-site monitoring allows you to save collected information to a database. Monitoring interface hardware, provided by Smartrise, makes reports available 24/7 at any location in the building via browser.

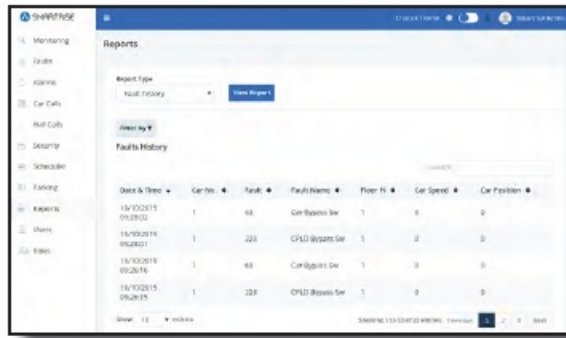
BENEFITS

- Automatically alert workstation of system issues and faults
- Retain records of building elevator traffic
- View or print report screens
- Export historical data
- Log maintenance activity
- Collect, store, and recall system information for performance analysis or other needs

PRECONFIGURED REPORTS

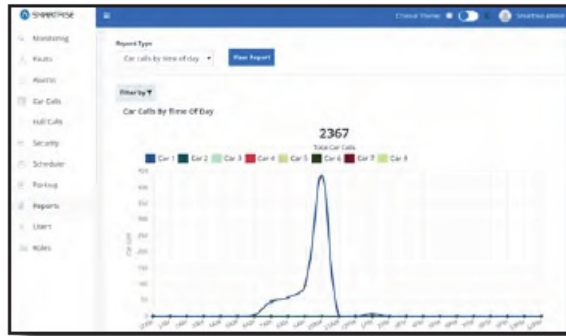
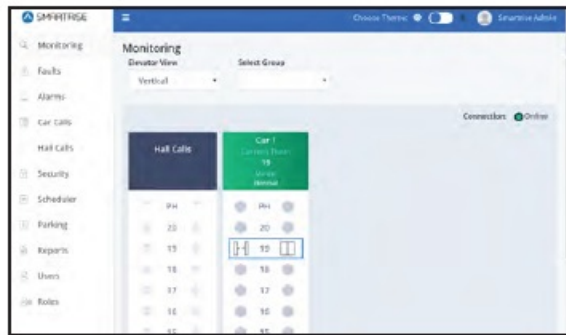
- Hall Call Performance
- Hall Call Analysis
- Traffic Analysis
- Hall Call Log
- Car Call Log
- Event Log
- Percent In-Service
- On-site monitoring allows you to log maintenance activity, providing a history of faults and repairs.
- On-site monitoring collects data needed to track the performance of your elevator systems and to monitor elevator traffic over a certain period.
- The Hall Call Log permits the user to analyze hall call wait times, allowing you to filter the information by date, time, car number, initial call floor, riser, travel direction, door location, and minimum/maximum wait times.
- Administrators can flag and highlight selected wait time criteria.

- The Hall Call Analysis Report displays all hall calls placed and groups wait times according to user criteria.



The screenshot shows the 'Reports' section of the SMARTRIDGE interface. The 'Report Type' is set to 'Fault History'. The 'Filter by' dropdown is set to 'Y'. The 'Faults History' table is displayed with the following data:

Date & Time	Car No.	Fault	Fault Name	Floor No.	Car Speed	Car Position
15/10/2019 09:20:01	1	68	Car Request Set	1	0	0
15/10/2019 09:20:01	1	225	CPLO Request Set	1	0	0
15/10/2019 09:20:16	1	68	Car Request Set	1	0	0
15/10/2019 09:20:15	1	228	CPLO Request Set	1	0	0

The screenshot shows the 'Monitoring' section of the SMARTRIDGE interface. The 'Monitor View' is set to 'Vertical'. The 'Select Group' dropdown is set to 'Hall Call'. The 'Hall Call' table is displayed with the following data:

PH	PH
23	20
19	10
18	18
17	17
16	16
15	15

EMERGENCY RESCUE DEVICE



- Smartrise Engineering's Emergency Rescue Device is equipped with smart battery charging, testing, and monitoring to ensure that power is available when it is needed most for traction controllers.

- Our compact design fulfills the needs of the industry and provides an efficient, reliable emergency power source.

UNIT DIMENSIONS	UNIT WEIGHT
25"H x 16"W x 10"D	155 lbs.

General Specifications and Benefits

- A dedicated battery testing circuit automatically puts a load on the battery and monitors the discharging profile of the battery
- High-efficiency two-step inverter design
- Using advanced Silicon Carbide power modules, high current AC outputs are generated with very low thermal loss
- Smartrise Emergency Power Devices generate Pure Sine-Wave AC output which reduces the amount of heat and noise in the magnetic devices, compared to other manufacturers
- Internal dedicated contactor for switching between mainline and emergency line
- Automatic mainline fault detection
- Has four discrete relay outputs and two discrete logic inputs that can connect to any controller
- Built-in disconnect for easy battery service

INPUT MAIN LINE	3 phase or single phase 208, 240 or 480
INPUT BAT. RATING	48VDC (4x12VDC Batteries) 20AH
OUTPUT RATED VOLTAGE (VAC)	208, 240, 480 (Single Phase)
OUTPUT MAX CURRENT (A)	14, 12, 6
OUTPUT MAX POWER	3000 watts for 15 minutes
SWITCH CONTACTOR CURRENT RATINGS	150A max

LOAD WEIGHING DEVICE

- Smartrise's Load Weighing Devices make sure your ride is efficient and smooth, sensing how much weight is in a car and relaying that information so the exact amount of pre-torque will be applied to the motor before starting the run.
- These devices ensure none of your cars will start over capacity, but also go beyond the required code and standards to give passengers a comfortable ride.



UNIT DIMENSIONS	UNIT WEIGHT
4" H x 2.7" W x 1.5" D	1 lb.

General Specifications and Benefits

- Designed based on a high resolution, 24bit, analog to digital device to read loadcell sensors with high accuracy
- Can be used with a variety of different load sensors such as crosshead, under the cab, under the traction machine, or on the traction ropes
- Can communicate through CANBUS or discrete digital signals
- Three digital outputs used for full load, overload, and light load
- One analog 0V to 10V industrial standard output
- Wi-Fi user interface for conveniently adjusting and reading parameters
- Automatic floor-by-floor calibration
- Adjustable monthly auto-recalibration for maintenance-free operation
- The controller automatically adjusts itself should the signal drift due to mechanical creep or temperature changes

BATTERY LOWERING DEVICE



The Smartrise Battery Lowering Device (BLD) eliminates the risk of trapped passengers during a power loss situation. Automatically turning on whenever needed, Smartrise's BLD takes over and moves the car to the nearest floor, then opens the door to let passengers exit. Smartrise's BLD outputs sinewave AC, unlike competitors that

use semi-sinewave. This makes Smartrise's BLD more efficient and causes less electromagnetic noise.

UNIT DIMENSIONS	UNIT WEIGHT
7" H x 5" W x 9" D	13.3 lbs.

General Specifications and Benefits

- 500-Watt Device
- Sinewave AC output matches the mainline current
- Prevents passengers from getting trapped in elevator cars, saving costs of rescue efforts
- Automatically lowers the cars to the nearest floor in the event of a power outage
- Informs the controller when power has been restored, resuming the elevator's normal operation

INPUT MAIN LINE (VAC)	Single phase 208, 240, or 480 VAC
INPUT BAT. RATING (VAC)	24VDC (2x12VDC Batteries) 6AH
OUTPUT RATED VOLTAGE (VAC)	208, 240 (Single Phase)
OUTPUT MAX CURRENT (A)	2
OUTPUT MAX POWER	500 watts for 5 minutes
MAX AMBIENT TEMP (F°/C°)	104° F/ 40° C

AT400 POWER SUPPLY REPLACEMENT

- Smartrise's next-generation AT400 Power Supply Re-placement more efficiently outputs 120V DC to your elevator doors.
- This updated power supply has a lighter weight versus previous generations, while also reducing its footprint.
- These improvements give passengers a better experience while saving owners money.



APPLICATION	DC power supply for AT400 door operator
INPUT	120VAC, 2A 50/60 Hz
OUTPUT	120VDC 2A Isolated
DIMENSIONS	2.11" H x 3.5" W x 5.5" L
TEMPERATURE RANGE	0° – 150°C
COMPLIANCE	CSA File
FLAME RATING	UL94-V0 TG-140

SMART CONNECT

- Smart Connect, Smartrise's inspection box, comes pre-wired for easy installation via a Cat-5e cable and seamlessly integrates with all Smartrise traction and hydraulic controllers.
- Located on the top of the car, Smart Connect has pre-drilled mounting brackets with an incandescent light bulb socket.



FIRE SERVICE (BUZZER & JEWEL)	Fire Service 24-28 VDC
TOP-MOUNTED ALARM BELL	Bell 6VDC
DIMENSIONS	4.1" H x 12" W x 6" D
ENCLOSURE RATINGS	NEMA 1, 4, 4x, 7, and 12

Main Features

- Ceramic Incandescent Light Bulb Socket
- 0.3" Diameter Plastic Service Lamp Guard
- Pre-Drilled Mounting Holes
- 3-Prong Electrical Cord Duplex Outlet GFCI, 15A 125 VAC

Optional Accessories

- Metal Service Lamp Guard
- Pushbutton and Switch Safety Guards
- Permanently-Attached Work Light*
- Permanently attached work light with GFCI and lamp. Standard cord length is 12-feet. Other lengths can be ordered.

NEMA-RATED ENCLOSURES



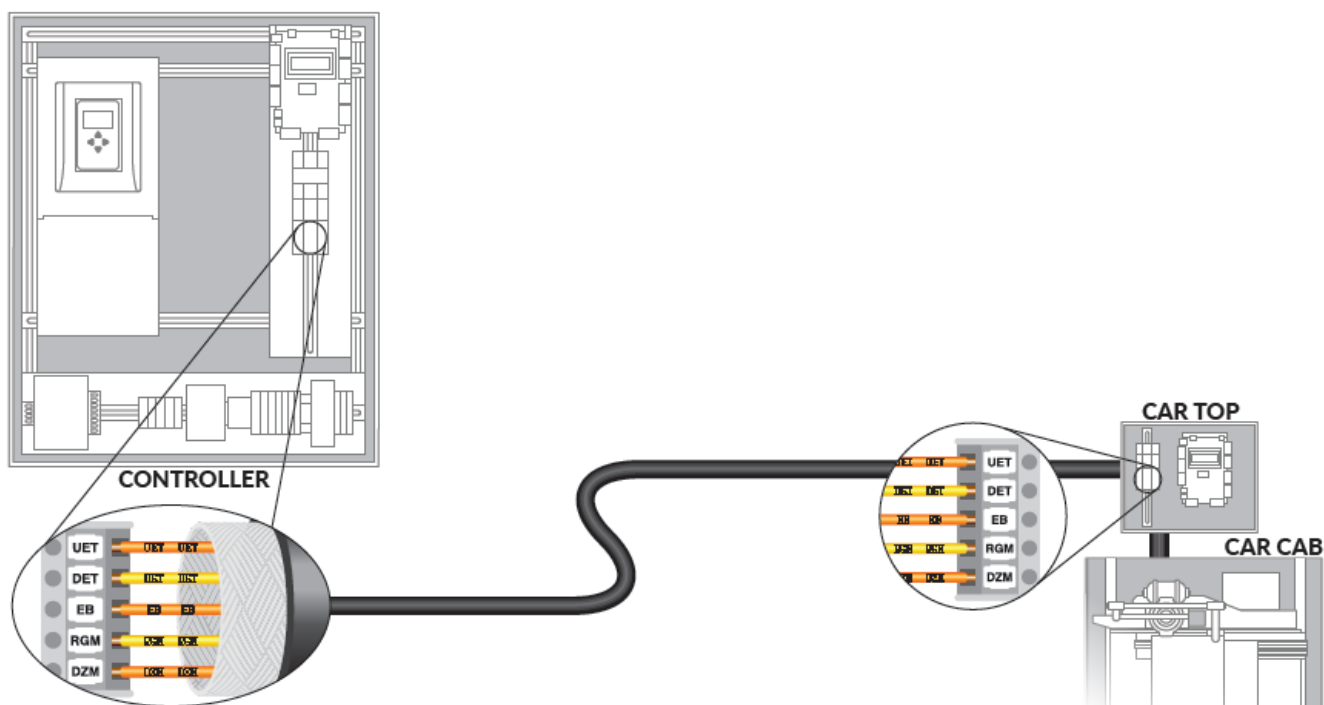
- For the harshest environments, Smartrise offers NEMA-rated enclosures for your elevator controllers.
- For places like cement and rock factories, outdoor environments, or oil and gas refineries, these enclosures protect your controllers and keep everything running smoothly.



NEMA 4	NEMA 4X	NEMA 12
<p>Smartrise’s NEMA 4 enclosures are designed to protect your investments. These enclosures protect equipment against splashing and hose-directed water, rain, sleet, snow, and windblown dust. Smartrise NEMA 4 enclosures also safeguard against hazardous parts and will be undamaged by the external formation of ice on the enclosure.</p>	<p>Smartrise’s NEMA 4x enclosures provide the same protection as our NEMA 4 enclosures but with an additional level of protection against corrosion. These enclosures protect equipment from hazardous parts as well as the elements, including splashing and hose-directed water, falling dirt, dust, rain, sleet, and snow. NEMA 4x enclosures will be undamaged and work through the external formation of ice.</p>	<p>Smartrise’s NEMA 12 enclosures are customizable to your controller. These enclosures are for indoor use and protect equipment against hazardous elements such as falling dirt, circulating dust, lint, fibers, flying debris, and dripping or light splashing of liquids.</p>

SMARTRISE CUSTOM CABLING

- Our custom cabling comes with each wire within the cable labeled to match the terminal name on the Smartrise Controller.
- Our simplified solution helps to prevent wiring errors and reduces installation time. We also provide the option for a traditional, unlabeled traveler Cable.



		<i>C4 TRAVELER CABLE # 1</i>	<i>C4 TRAVELER CABLE # 2</i>	<i>TRAVELER CABLE #5</i>	<i>C4 HOISTWAY CABLE</i>
	CUSTOM LABELING	Yes	Yes	No	Yes
	# OF CONDUCTORS	19	31	69	26
	CORE	Steel	Steel	Steel	N/A
	DIAMETER	.90”	1.36”	1.57”	.55”
	# OF 14 AWG	4	4	5	0
	# OF 18 AWG	7	14	40	26
	#OF 20 AWG SHIELDED	4 Pair	6 Pair	11 Pair	0
	COAXIAL (RG/6U)	No	1	2	No
	APPROVALS	UL Type ETT, NEC Compliant, CSA Type ETT, CSA FT1			UL & CSA Hoistway NEC Compliant
All Smartrise traveler cables come with Kellems® grips					

Traveler Cable Tech Specs

- Composite conductor
- Textile braid
- PVC jacket

- Shielded pairs are jacketed

Traveler Cable Construction

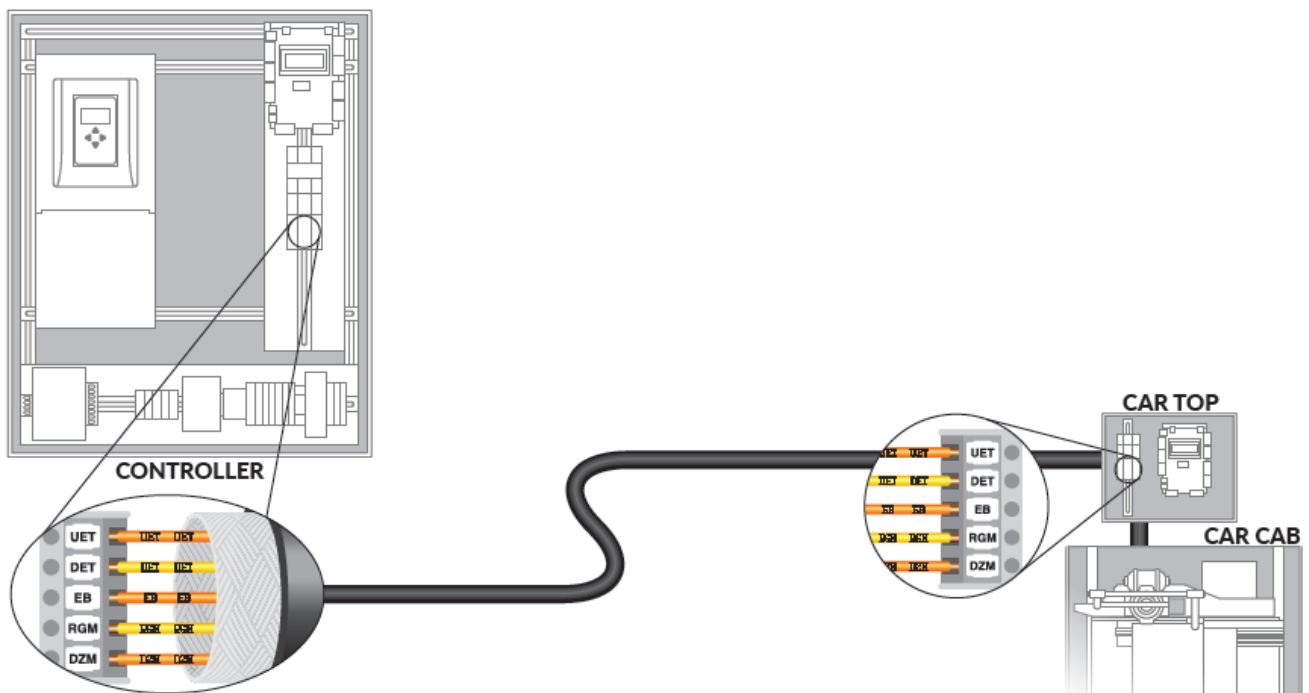
- Nylon Binder with an open spiral wrap
- 0.85" jacket: Nominal Wall black PVC
- 100% textile braid coverage
- Cabling core with jute fillers in the interstices.

Hoistway Cable Tech Specs

- **Temperature:** 60°C
- **Voltage:** 300V

Hoistway Cable Construction

- One insulated core conductor and filler
- Dual-insulated conductor layers
- Nylon binder with an open spiral wrap



	TRAVELE R CABLE #1	TRAVELE R CABLE #2	TRAVELE R CABLE #3	TRAVELE R CABLE #4	TRAVELE R CABLE #5	HOISTWAY CABL E
CUSTOM LABELING	Yes	Yes	Yes	No	Yes	Yes
# OF CONDUCTORS	26	33	43	27	69	21
CORE	Jute	Steel	Steel	Jute	Steel	N/A
DIAMETER	1.04"	1.19"	1.37"	.94"	1.57"	.64"
# OF 14 AWC	4	4	4	3	5	0
# OF 18 AWC	14	20	23	20	40	21
#OF 20 AWC SHIELD	4	4	7	2	11	0
COAXIAL (RG/6U)	0	1	2	0	2	0
APPROVALS/BOTH	UL Type ETT, NEC Compliant, CSA Type ETT, CSA FT1					UL & CSA Hoistway NEC Co mpliant
	All Smartrise traveler cables come with Kellems® grips					

- Traveler Cable Tech Specs
- Composite conductor
- Textile braid
- PVC jacket
- Shielded pairs are jacketed

Traveler Cable Construction

- Nylon binder with an open spiral wrap
- 100% textile braid coverage
- .085" jacket. Nominal wall black PVC
- Cabling core with jute fillers in the interstices

Hoistway Cable Tech Specs

- **Temperature:** 60°C
- **Voltage:** 300V

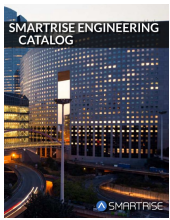
Hoistway Cable Construction

- One insulated core conductor and filler
- Dual-insulated conductor layers
- Nylon binder with an open spiral wrap

FOR MORE INFORMATION

- CONTACT THE SALES DEPARTMENT AT SALES@SMARTRISE.US OR 4696788000 SMARTRISE.US
- Contact our Sales Department at sales@smartrise.us to order or for more information.
- Phone: 4696788000
- Address: 1235 N. Union Bower Rd
- Irving, TX 75061
- Website: SMARTRISE.US

Documents / Resources



[SMARTRISE C4 Smartrise Controller Catalog](#) [pdf] Installation Guide
C4, XL, C4 Smartrise Controller Catalog, C4, Smartrise Controller Catalog, Controller Catalog

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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