

FLEX CONTROL

Modular control system

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FlexControl TR (Touchscreen Remote)



Developed in-house, our FlexControl system has been a cornerstone of PSRIG projects across Sweden for several years. Designed specifically for fixed installations and small- to medium-sized projects, this modular system delivers exceptional flexibility and scalability.

Designed to be simple and straightforward, it ensures precise and efficient management of both positioning and load handling, delivering intuitive operation, and reliable performance under all operating conditions.

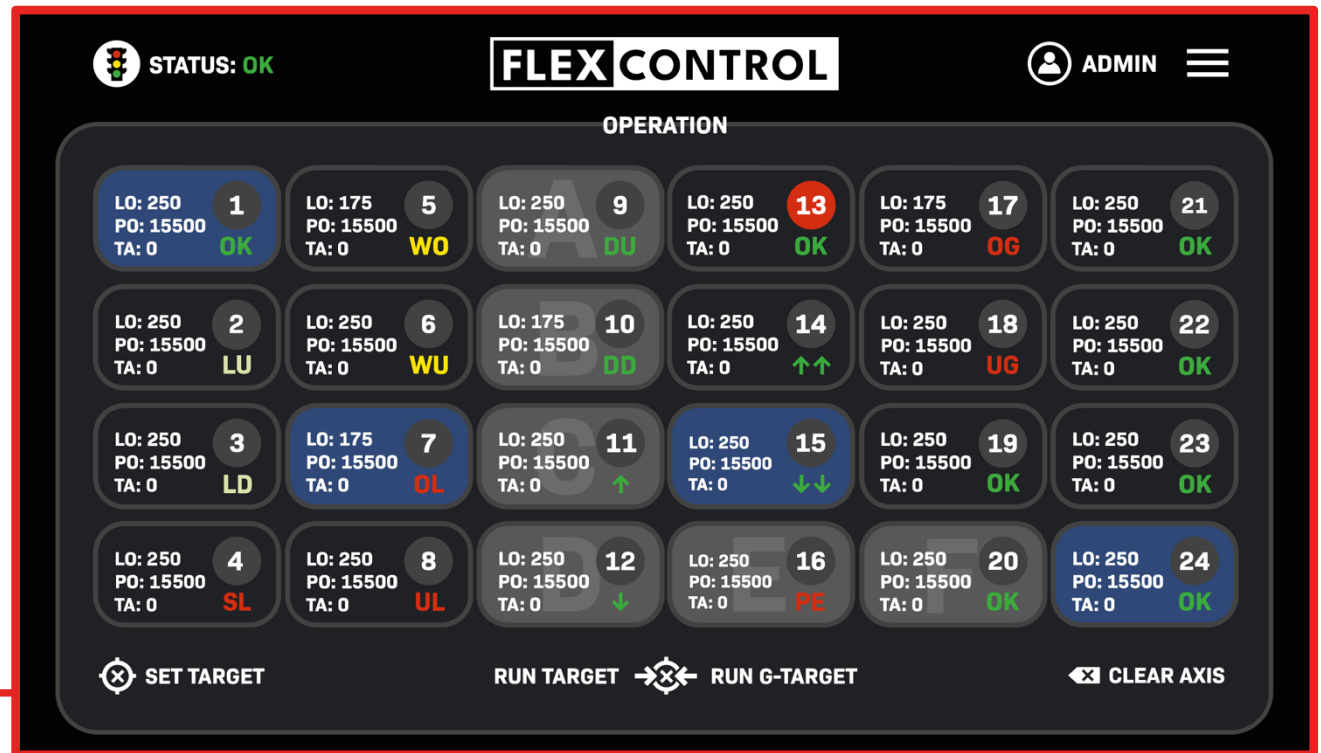
For the latest system generation, significant development effort has been dedicated to refining our proprietary software. This includes an intuitive user-friendly touch interface, clear and structured error reporting, and expanded safety functionality.



The system is currently available in two versions:

- **7" Handheld** supporting up to 24 channels in a compact and rugged remote form factor
- **22" Desk Console** supporting up to 64 channels with a dedicated full-size keyboard, dual directional hold-to-run controls, programmable target buttons, and a height-adjustable base

The 7" panel supports up to 24 channels, 12 configurable groups, group load management, and dual-speed hoist operation. It provides real-time positioning, load monitoring, slack rope detection, error reporting, and features a directional lever with hold-to-run GO button and a hardwired E-STOP. It also implements functions for speed and/or load reduction for blocked chain configurations.



The larger physical console significantly improves ergonomics, with dual control layouts for both left- and right-handed operators, and a height-adjustable base powered by a rechargeable battery.

All FlexControl systems comes backed by comprehensive technical support, with options for remote system access as well as on-site service.



FlexControl Component Overview (1/4)



FLEXCONTROL BASE UNIT (BU)

6U rack-mounted base unit for use with Touchscreen Remote (TR)

- Integrated power distribution, control and safety functions
- Integrated 2 m mains power cable, 3-phase 400 V, 32A, with 5-pin red CEE connector
- Slack-rope monitoring
- Suitable for 1- or 2-speed systems
- Key switch for backup operation
- Simultaneous operation of up to 8 channels
- Backup operation instructions printed on panel
- Up to 4 outlets for Connection Boxes

500-239120



FLEXCONTROL CHANNEL UNIT (CU)

3U rack-mounted modular channel unit.

- 4 channels per unit
- Slack-rope monitoring
- Suitable for 1- or 2-speed systems
- Includes 4x 10p Harting for cabinet side
- 13A per 2 channels (1+2 - 3+4)

500-239130



FLEXCONTROL CONNECTION BOX (CB)

Connection point for Touchscreen Desk (TD) or Touchscreen Remote (TR).

- Cable entry from the top or rear
- XLR connector at the bottom
- Hinged access cover with status monitoring by the Base Unit
- 8 + 2 pin XLR connector
- Hardwired E-STOP button
- EMG GO button for backup operation

500-239300

FlexControl Component Overview (2/4)



FLEXCONTROL BASE UNIT XL (BU-XL)

9U rack-mounted Base Unit for use with Touchscreen Desk (TD).

- Integrated power distribution, control and safety functions
- Available with mains power cable, 3-phase 400V, in either 32A, 63A or 125A versions
- Slack-rope monitoring
- Suitable for 1- or 2-speed systems
- Key switch for backup operation
- Simultaneous operation of up to 24 channels
- Backup operation instructions printed on panel
- Up to 3 outlets for Connection Boxes

500-239122



FLEXCONTROL MAINS CABLE FOR BU-XL

The required power cable depends on the number of channels to be operated simultaneously.

- Available in 32A, 63A and 125A
- Cable length: 3 m

500-239804 (32A)
500-239805 (63A)
500-239806 (125A)



FLEXCONTROL REMOTE CONNECTION CABLE

For use with Touchscreen Remote (TR).

- 8 + 2 pin XLR cable
- Different cable lengths

500-239810 (5m)
500-239811 (10m)
500-239812 (15m)
500-239813 (20m)



FLEXCONTROL LOOP EXTENSION CABLE

Extension cable for loop connections between cabinets. For use with either Base Unit models (BU or BU-XL).

- Cable length: 1.5 m

500-239830

FlexControl Component Overview (3/4)



FLEXCONTROL E-STOP TERMINATION PLUG

Plugs into an unoccupied Connection Box socket on the Base Unit to complete the E-STOP circuit.

500-239305



FLEXCONTROL REMOTE ACCESS POINT

Enables secure remote access for online support, troubleshooting, system updates and configuration.

Connects via Ethernet or Wi-Fi. A wired Ethernet connection is recommended.

500-239800



FLEXCONTROL CONSOLE STAND

Ergonomic movable stand for use with Touchscreen Desk (TD).

- Battery-powered height adjustment
- Battery pack included
- Lockable castor wheels

500-239980



FLEXCONTROL CABINETS

19" lockable rack cabinets available in different sizes.

847-362512 (12U)
847-362516 (16U)
847-362520 (20U)
847-362522 (22U)
847-362526 (26U)
847-362532 (32U)
847-362536 (36U)
847-362542 (42U)

FlexControl Component Overview (4/4)

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GET IN TOUCH

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FLEXCONTROL TOUCHSCREEN REMOTE (TR)

7" LCD touchscreen, 800 x 480 pixels,
86 x 154 mm, multi-touch, anti-glare

Physical DIRECTIONAL lever with hold-to-run
GO button and hardwired E-STOP button

Up to 24 channels, with 8 channels operating
simultaneously and up to 12 individual groups
Real-time positioning and load monitoring with slack
line protection
Supports 1- or 2-speed systems

500-239200

FLEXCONTROL TOUCHSCREEN DESK (TD)

22" LCD touchscreen, 1980 x 1080 pixels, 475 x 267 mm, multi-
touch, anti-glare, mounted on a height-adjustable base

Integrated physical keyboard with dedicated numeric keypad, dual
directional controls with hold-to-run GO buttons, hardwired E-STOP
and programmable TARGET buttons

Up to 64 channels, with 24 channels operating simultaneously
Real-time positioning and load monitoring with slack line protection
Dedicated visual overview of selected and active channels
Advanced group handling, with up to 18 individual groups
Supports 1- or 2-speed systems

500-239201

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