Digital Remote for Hoist Controller

Instruction Manual

Models:

CMG6-DIGI-AHD, CMG8-DIGI-AHD, CMG12-DIGI-AHD

version 3.1 since 22 April 2022

Safety information

IMPORTANT INSTRUCTIONS

All safety and operating instructions should be read before the equipment is installed or operated.

IMPORTANT SAFETY INFORMATION

The following general safety precautions have to be observed during all phases of operation, service, and the repair of this equipment. Failure to comply with these precautions or with specific warnings in this manual violates safety standards of design, manufacture, and the intended use of this equipment.

Do not operate in an explosive atmosphere!

Do not operate this equipment in the presence of flammable gases or fumes. Operation of any electrical instrument in such an environment constitutes a definite safety hazard.

Water, moisture, heat and humidity

Do not operate this equipment near water or in areas with wet floors or in high humidity atmosphere, where condensation forms on the equipment. It should never be placed near or over a heat register or other source of heated air and it should not be installed or operated without proper ventilation.

Operation

The CMGxx-DIGI-AHD is manufactured from 1 to 12 channels and it suits as directional remote for digital controllers. The CMGxx-DIGI-AHD Groups of Motors/Hoists connected to the GMDseries and AHDseries controller can be activated individually or simultaneously using the GO button located on the CMGxx-DIGI-AHD cable or wireless controller /WMC-DIGI-AHD/. The selection of the hoists to be controlled should be done by the WMC or CMG switches. Units can be linked together to create bigger systems.

How to start

- Connect a 5-pin NC5MXX plug to the remote input of the CMGxx-DIGI-AHD unit.

- Check if the emergency STOP button on both MC and WMC devices is released. If not, this state will be indicated by the STATUS LED blinking in red color. Check STOP buttons on all connected controllers. Rotate them clockwise to release and RESET units

- Move the lever on CMGxx-DIGI-AHD or WMCxx-DIGI-AHD corresponding to each group of motors to the desired position. According to the position of lever, hoists act as follows:
    o UP - Lever in upper position
    o STAY – Lever in middle position
    o DOWN - Lever in lower position

- Pushing the GO button will activate the groups of motors and move them simultaneously.

- Releasing the GO button will stop the movement of the groups of motors simultaneously.

- When the device is not in use, it is highly recommended to push E-STOP mushroom or TURN off units via key on front panel of AHD controller

To Move a Single Group:

- Set the UP/DOWN toggle switch for desired group of motors to the desired direction. The associated LED will illuminate green for UP and red for DOWN direction.

- Hold the GO button until the motor(s) is/are moved to the desired height, then release.

To Move Several Groups:

- Set the UP/DOWN toggle switches for each group of motors to the desired direction. The associated LEDs will illuminate green for UP and red for DOWN direction.

- Hold the GO button until the all motors are moved to the desired height, then release.
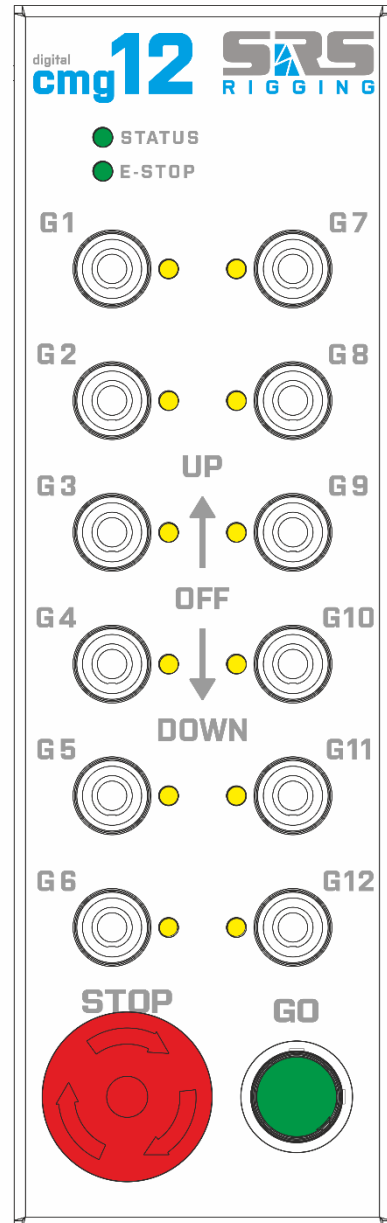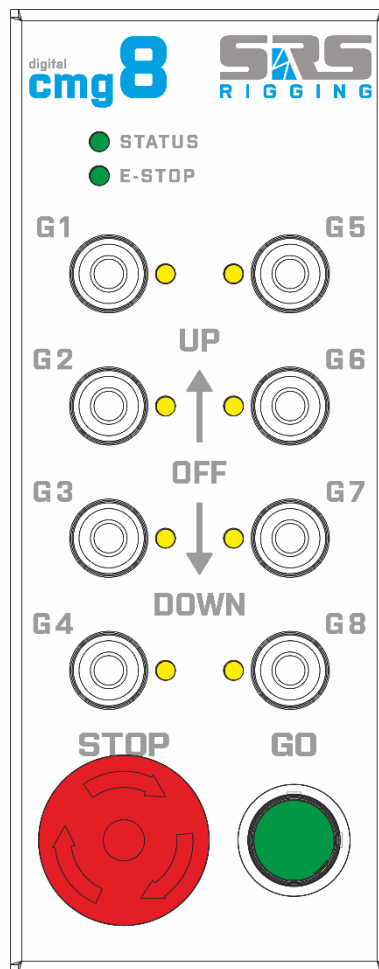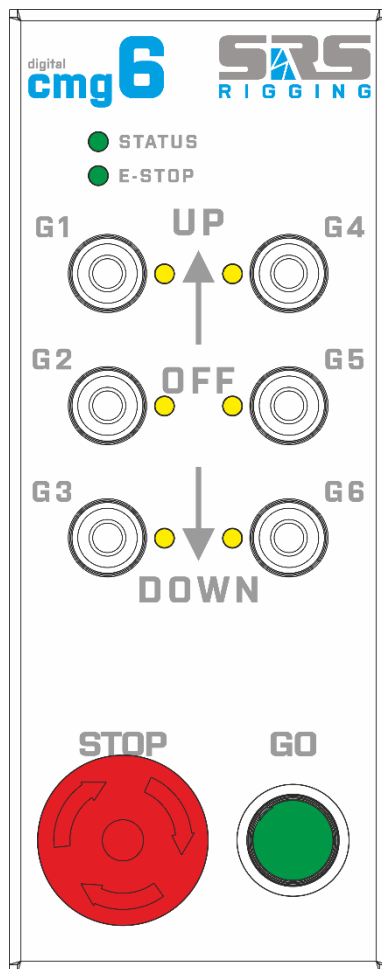
CMG-DIGI-AHD series remote

CMG-DIG-AHDseries remote allows controlling of the AHDseries and GMDseries via digital 5-pin cable connector. During standard operation, the full 5core cable must be equipped with Neutrik 5-pin connectors. Maximum cable length is 1000m. The data connection is performed via RS485 communication line.

CMG6-DIGI-AHD   CMG8-DIGI-AHD   CMG12-DIGI-AHD

CMGxx-DIGI-AHD

STOP:

This switch protects the operation of the base unit from undesired operation and its press turns the Controller to an inactive state. STOP is a red color button. Once the STOP button has been pressed, system is locked in an inactive position and the button must be rotated clockwise to be released to continue operation.

GO:

This green button turns the selected channels of Hoist Control system ON when it is active. Once the GO button has been depressed, the energizing of the hoists is turned off.

DIRECTION SWITCHES:

They allow changing the direction of movement for each group of motors/hoist separately or in groups. The LED located close to the switch indicates the direction of movement.

DIRECTION SWITCH LED
- Green   UP
- Red   DOWN
- No light   stays in position

STATUS LED

- GREEN   Device ready for action
- RED   Indicates that the GO button is active
- ORANGE   Indicates the activity of direction switch, LED blinks in movement

E-STOP LED

- GREEN   E-STOP system OK
- ORANGE   Indicates that the system needs to be reset
- RED   E-STOP is active somewhere in the system
- RED blinking   E-STOP button is pressed on the device

Remote connector

Neutrik NC5-FDL

Pin	Function	note
1	**Data CMN**	*Data Common*
2	**Data -**	*Data Minus*
3	**Data+**	*Data Plus*
4	**DC1**	*Power supply for CMG DC12-36V*
5	**DC2**	*Power supply for CMG DC12-36V*

Housing + Dimensions

3mm lightweight aluminum box
CMG6-DIGI-AHD: 107 x 260 x 105 mm

3mm lightweight aluminum box
CMG8-DIGI-AHD: 107 x 260 x 105 mm

3mm lightweight aluminum box
CMG12-DIGI-AHD: 107 x 260 x 105 mm

Warranty

CMG-DIGI-AHD series hoist controller is covered by a 2-year manufacturer's warranty. For extended warranty conditions, please contact the manufacturer at sales@srs-group.com.

Warranty covers the original factory installed components of the controller and their correct functioning.

Warranty voids if any part or replacement components is installed or modified without authorization from the manufacturer and/or the internal circuit is tampered or modified and/or the controller is operated outside normal use conditions and if the electrical power supply is not conform or there is connection error or mechanical damage of controller, including overload and improper use.

We, as a manufacturer, always help you to repair your unit.

DECLARATION OF CONFORMITY

According to the specification of Machinery Directive 2006/42/CE, Annex II A:

Name of producer: SRS Group s.r.o.
Address of producer: Rybničná 36/D
                                     821 07 Bratislava
                                     Slovakia

Declares that the product

Name of product: **CMG6-DIGI-AHD, CMG8-DIGI-AHD,
                                     CMG12-DIGI-AHD**
Type: **945041, 945044, 945045**
Year of construction: **2017**

Corresponds with the following harmonized standards:

Safety: EN 60065
                   EN 60950
                   EN 60204-1
                   EN 13850
                   EN 12100-2
EMC: EN55103-1, resp. EN55103-2

And is in compliance with following requirements:

Machinery directive: 2006/42/CE
Low Voltage directive: 2014/35/CE
Electromagnetic compatibility directive: 2014/30/CE

Bratislava, 25.1.2022   SRS Group s.r.o.

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