SRS RIGGING

Digital Remote
for Hoist Controller
Instruction Manual

Models:

CMC24-DIGI, CMC16-DIGI
CMC12-DIGI, CMC8-DIGI,
version 3.1 since 3 February 2020

ATTENTION!

This instruction manual contains important information about the installation and the use of the equipment. Please read and follow these instructions carefully.

Always ensure that the power to the equipment is disconnected before opening the equipment or commencing any maintenance work.

CMCXX-DIGI_en_manual_M011.doc

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 CMCxx-DIGI is manufactured from 1 to 48 channels and it suits as directional remote for digital controllers. The CMCxx-DIGI Motors/Hoists connected to the CMC-LVseries, GMDseries and AHDseries controller can be activated individually or simultaneously using the GO button located on the CMCxx-DIGI cable or wireless controller /WMC-DIGI/. The selection of the hoists to be controlled should be done by the WMC or CMC 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 CMCxx-D 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 B LED blinking in red color. Check STOP buttons on all connected controllers. Rotate them clockwise to release.

- There is an additional emergency input for the connection of load cell input located on the rear side of the controller. If the reason for an emergency STOP is other than the press of the emergency STOP button, the status B LED is in orange color. To reset it, press and release the emergency STOP button. In normal operation, the status B LED is in green color.

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

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

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

- When the device is not in use, it is highly recommended to turn it OFF using the key located on the front panel.

To Move a Single Motor:

- Set the UP/DOWN toggle switch for desired motor 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 Motors:

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

- Hold the GO button until the motors are moved to the desired height, then release.

CMC-DIGITAL series controller

CMC-DIGITALseries controller allows controlling of the RMCseries or GMDseries and GMC-LVseries via digital 5-pin cable connector. During standard operation, the full line cable must be equipped with Neutrik 5-pin connectors. Maximum cable length is 100m. The data connection is performed via RS485 communication line.

CMC16-DIGI
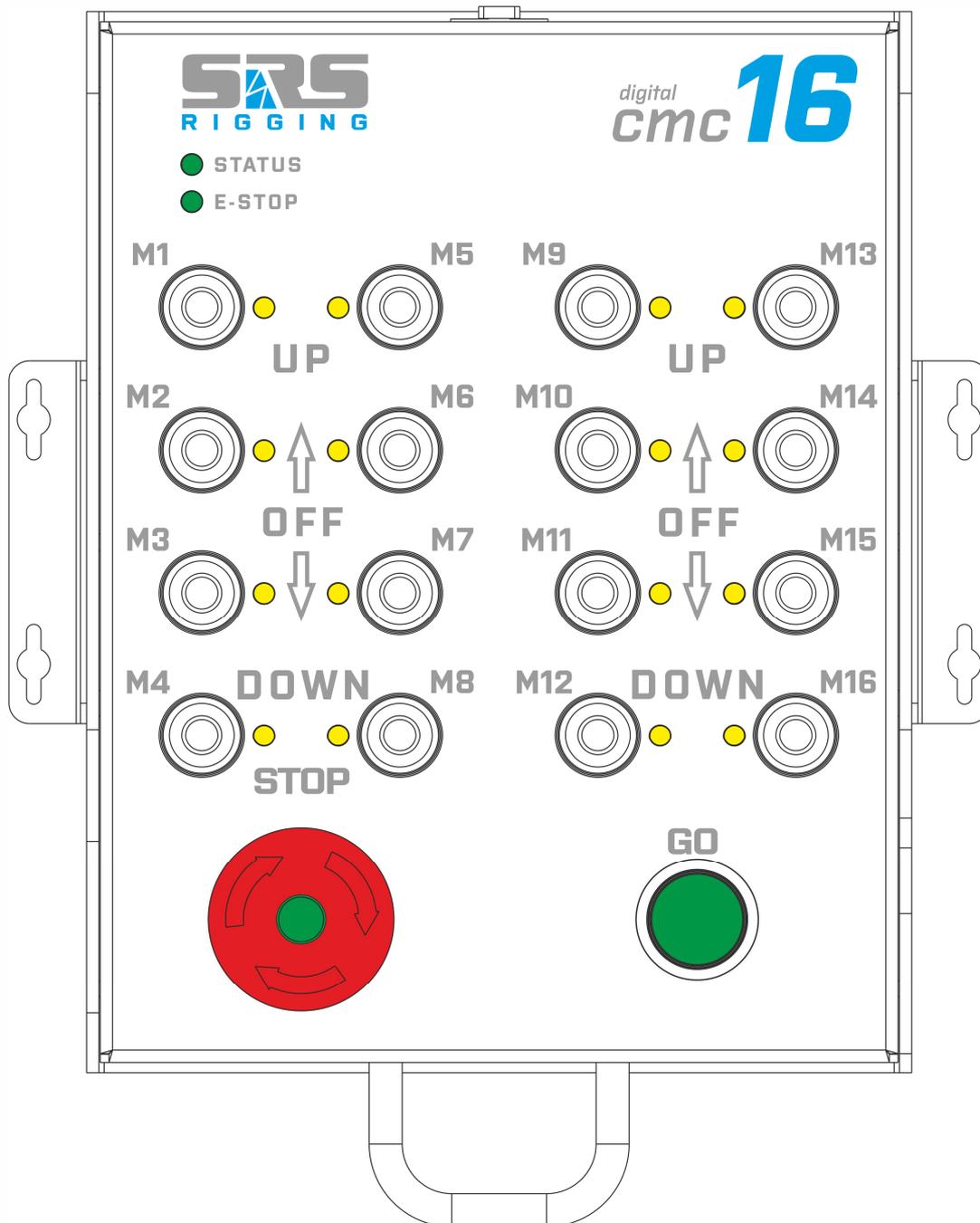
CMC12-DIGI / CMC8-DIGI / CMC4-DIGI
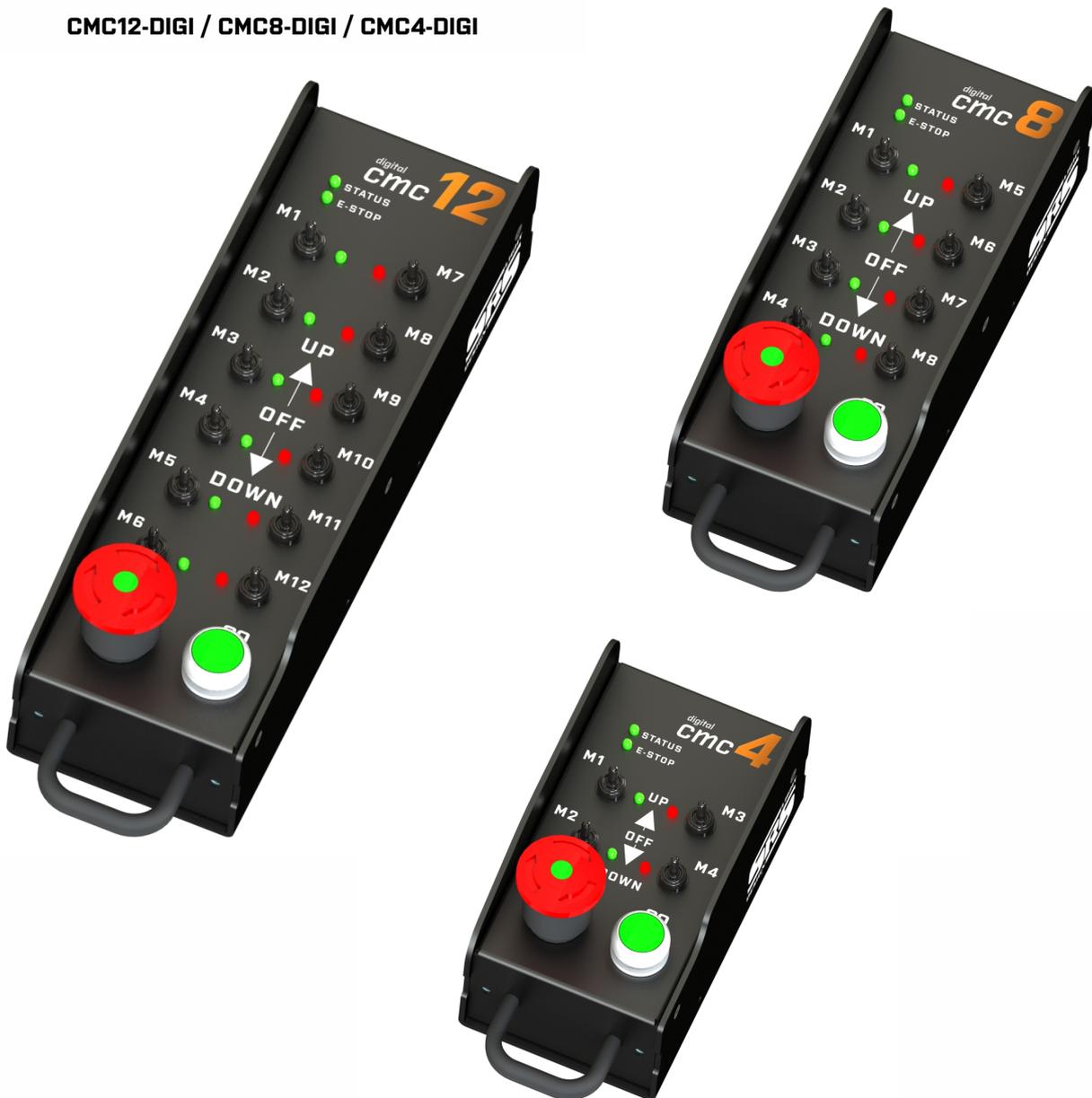
STOP:

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 motor/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 CMC DC12-36V*
5	**DC2**	*Power supply for CMC DC12-36V*

Housing + Dimensions

3mm lightweight aluminum box
CMC12-DIGI: 107 x 330 x 105 mm
CMC8-DIGI: 107 x 260 x 105 mm
CMC4-DIGI: 107 x 190 x 105 mm

Warranty

CMC-DIGITALseries 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.

plasa
member