out board
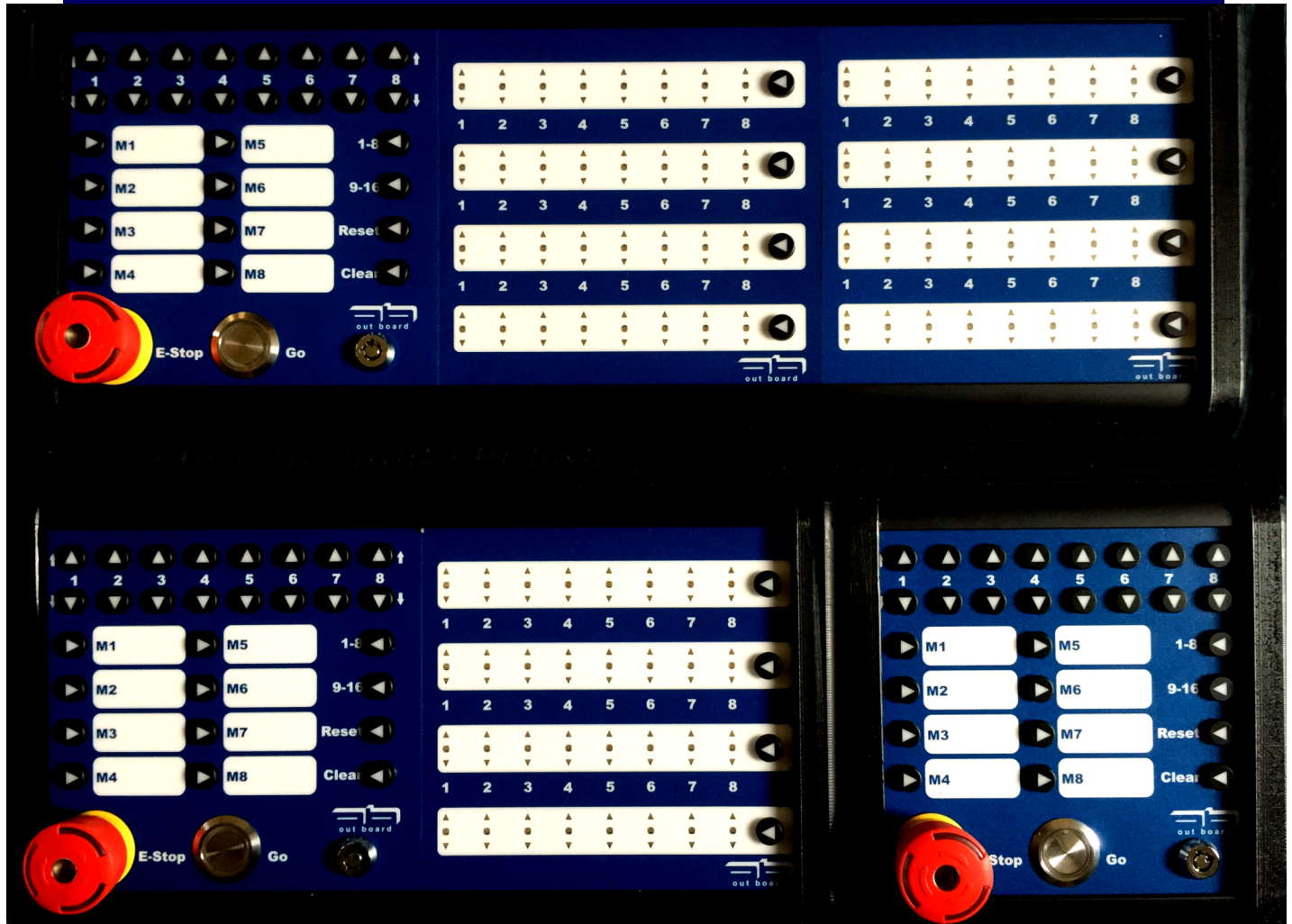
RCX SMART Remote

OPERATING INSTRUCTIONS

RCX16, RCX32 and RCX64-channel smart remotes

Retrofits to existing LV6/8/12 & DV8 Controllers

Ethercon CAT5/6 connection or wireless

8 memories - non-volatile - reversible

Integral Load Cell monitoring

Compact - easy to use - zero learning curve

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OPERATING INSTRUCTIONS

1. Connection
Connect the RCX handset via CAT5 to the RCX Link In ethercon socket on the LV/DV front panel (or external interface).
Connect the RCX Link Out ethercon socket via CAT5 to the next LV/DV unit's RCX Link In ethercon socket. The RCX handset CAT5 can be hot-plugged at either end with the LV/DV controllers switched on.

2. Power On LV/DV Controllers
The RCX handset identifies the LV/DV controllers and runs a startup sequence illuminating all banks of switch LEDs in turn. It automatically assigns LV/DV units to channel control Banks in the same order they are connected in the rack. On RCX32 and RCX64 the connected channels are shown on the Bank selectors' blue LED's. LV6 and LV12 channels are assigned as per their front panels, in rows of six with two unassigned channels with blue LED's off.

3. Bank Select buttons
For RCX16 the 1-8 or 9-16 Bank Select buttons assign which block of 8 channels are controlled by the 8 Up/Down buttons. For RCX32 and RCX64 the extended Bank Select panel does the same, with the top two Bank selectors duplicating the 1-8 and 9-16 buttons.

4. Hoist Up/Down GO select
Press any Up or Down arrow button(s) to arm hoists ready to go Up or Down - the buttons flash.
Press GO to make the hoists move - the buttons stop flashing while GO is pressed
Release GO to stop all hoist movement - the Up or Down buttons will return to flashing
On RCX16 any Up/Down buttons armed on 1-8 will stay armed when you switch to Bank 9-16 to arm further channels.
The 1-8 or 9-16 Bank Select buttons flash to show if channels on the other bank are armed.

5. Memories
There are 8 memory locations M1-M8 to store Up/Down settings.
To Store the Up/Down settings currently armed as per 4. above, press and hold a Memory button for 2 seconds until it beeps.
To Recall a Memory do a short press on the Memory button, it lights up and the stored Up/Down channels flash to say they are armed.
The 1-8 or 9-16 Bank Select buttons flash to show other channels have been armed by this Memory recall.
The Memories are non-volatile - they are remembered when the RCX handset is powered down.
The Memories are reversible - a short double-press on the memory buttons reverses the recalled Ups and Downs.
If a Memory recall contains a different number of LV/DV channels than identified in the system it flashes and beeps. This is fixed by overwriting the Memory or using Clear (see below).

6. Clear Button
The Clear button has three functions:
a) A quick (1sec) press/no beep clears the Up/Down settings of the currently visible bank of channels, e.g. 1-8 or 9-16.
b) A short (2secs) press/single beep clears Up/Down settings on all banks of channels
c) A long (4secs) press/double beep clears all Up/Down settings on all banks and all Memories.

7. Reset Button
The Reset button has several different functions:
RCX handset in error state (fast beeping and any LEDS flashing fast):
a) A quick (1sec) press/no beep clears the error state and stops the fast beeping
b) A short (2secs) press/single beep clears the error and re-identifies the controllers but keeps the Up/Down settings
c) A long (4secs) press/double beep clears the error and re-identifies the controllers but clears the Up/Down settings
RCX handset is in an idle state (channels all identified, GO/EStop not pressed):
d) A short (2secs) press/single beep re-identifies the controllers and keeps the Up/Down settings
e) A long (4secs) press/double beep re-identifies the controllers and clears the Up/Down settings
f) A very long (6secs) press/triple beep re-identifies the controllers and turns off the error warning beeps (except while E-Stop is engaged/stopped)

8. E-Stop
The E-Stop button is a dual-redundant (hard-wired and digitally transmitted) emergency stop mechanism that halts and shuts down all connected LV/DV Controllers and hoists. LV/DV front panel E-Stops are also interlinked via the RCX handset. When E-Stop is activated the RCX handset beeps and the Clear/Reset buttons flash rapidly. It locks in its pressed position and requires re-cocking to resume operation. Pressing Reset quickly (1sec) stops the beeping and flashing (but see 7f above). (Internal jumper link can be selected to stop E-Stop beeping – contact Out Board).
NB: All connected LV/DV controllers will need their front-panel breakers switched back to the on position to resume normal operation. **NB: LV/DV front panel RC E-Stop Enable recessed switch must be active (RED) for RCX E-Stop to work.**

**ONLY TO BE OPERATED BY A QUALIFIED RIGGING PROFESSIONAL.
ONLY USE WITH PERSONS IN THE HAZARD ZONE IF RISK ASSESSMENT HAS BEEN CARRIED OUT BY A QUALIFIED RIGGING ENGINEER.**

RCX Interface is not available for LV4 and DV4 controllers, only LV6/8/12 and DV8

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