

Operational specification of Scanreco HANDY handheld transmitter



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1. Pushbuttons

Push buttons 1 – 8 are proportional push buttons.

Push buttons 9 is a one step push button used as function switch. Pushbutton 10 is a two steps push button.

1.1. Transmitter start up

Set the transmitter into operational mode 1 from switched off

- Press and keep pressed the button #10
- Press and release button #9
- Release button #10
- Transmitter is now in operational mode

Set the transmitter into test mode from switched off

- Press and keep pressed buttons #1 and #2
- Press and release completely button #10
- Release all buttons
- Transmitter is now in test mode

Set the transmitter into assign mode from switched off

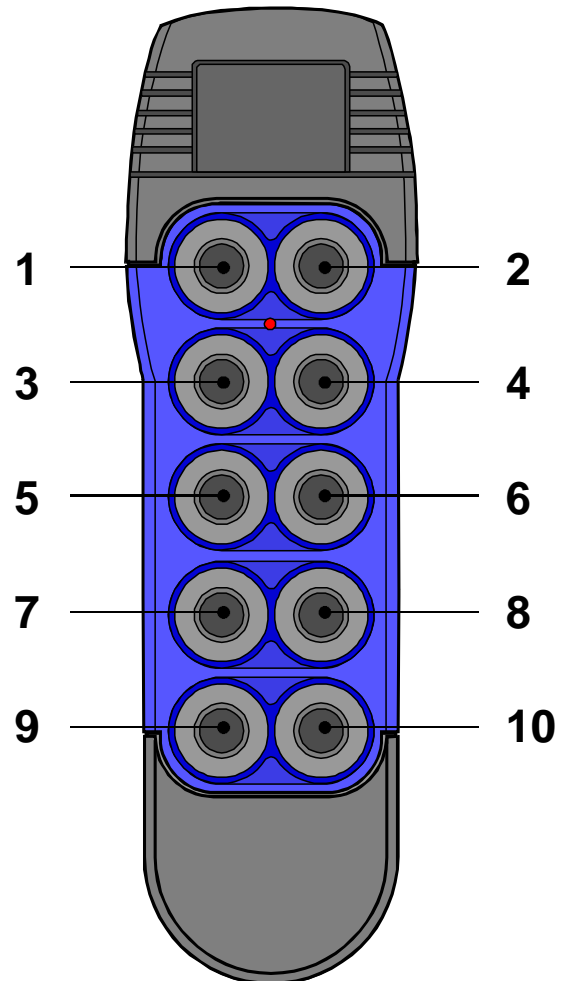
- Press and keep pressed buttons #3 and #4
- Press and release completely button #10
- Release all buttons
- Transmitter is now in assign mode

Set the transmitter into calibrate mode from switched off

- Press and keep pressed buttons #2 and #4
- Press and release completely button #10
- Release all buttons
- Transmitter is now in calibrate mode

Set the transmitter into information mode from switched off

- Press and keep pressed buttons #1 and #3
- Press and release completely button #10
- Release all buttons
- Transmitter is now in information mode



2. Mode description

2.1. Operational mode

- Push buttons 1 – 8 controls pre defined motions of the crane (mapping set in the receiver)
- Push button 9 changes into operational mode 2
- Every time push button 9 is toggled, the display shows the operative mode “1” or “2” for 8 seconds.
- Push button 10 (any step) will switch the transmitter completely off

2.2. Operational mode 2

To work in mode 2 push, and keep down, push-button no.9.

Releasing push-button no.9 will bring into operational mode 1.

- Push buttons 1 – 4 controls pre defined motions of the crane and 5 – 8 controls pre defined on off signals on the crane (mapping set in the receiver)
- Push button 9 changes into operational mode 2
- Every time push button 9 is toggled, the display shows the operative mode “1” or “2” for 8 seconds.
- Push button 10 (any step) will switch the transmitter completely off

2.3. Test mode

- All segments in the 7-segment display is lit
- All diode indicators are lit
- The on board buzzer is used to indicate function of all push buttons.
- The number in the 7-segment display cycle through 0 to 9 while buzzer sounds proportionally to the pressure on each button (push button 1 to 8).
- Push button 9 will only beep once each toggle.
- Push button 10 (both steps) will switch the transmitter completely off
- No connection to receiver is possible

2.4. Assign mode

- The transmitter will transmit an assign command to a near by receiver (distance ~15 cm), the transmission will continue until the transmitter timeout is reached (2s - 5s - 10s - infinite), during this time the receiver must be rebooted with the "pairing plug" connected.
- Push button 10 (any step) will switch the transmitter completely off

2.5. Calibrate mode

- Push button 9 is used to switch between the various calibration steps, a single press will increase the calibration step by one
- Push button 10 (any step) will switch the transmitter completely off, this will also store any parameters changed in the transmitter

Step 01 – setting of transmitter timeout

- “1” is displayed in the 7-segment
- Push buttons 1 sets timeout times to 2 minutes
- Push buttons 2 sets timeout times to 5 minutes
- Push buttons 3 sets timeout times to 10 minutes
- Push buttons 4 sets timeout times to ∞ (infinite)

Step 02 – setting of frequency locking

- Push button 1 edit the first digit of the two digit frequency number
- Use button 3 and 4 to brows to the right digit
- Push button 2 to start edit the second digit of the two digit frequency number
- Use button 3 and 4 to brows to the right digit
- Use button 2 to stor the selected frequency number (00 indicates no frequency lock, for EU countries the selection must vary between 1 and 68)

Step 03 – setting of transmitter type

- “3” is displayed in the 7-segment
- Push button 1 – 8 represent transmitter type 1 – 8 (must be set to "1").

Step 4 – setting of A / B start speed crane drive 1

- Push buttons 1 and 2 are used to activate the crane motion on which to perform the speed change
- Push buttons 3 and 4 are used as – and + to decrease or increase the start speed on the selected direction

Step 5 – setting of A / B stop speed crane drive 1

- Push buttons 1 and 2 are used to activate the crane motion on which to perform the speed change
- Push buttons 3 and 4 are used as – and + to decrease or increase the stop speed on the selected direction

Step 6 – setting of A / B start speed crane drive 2

- Push buttons 1 and 2 are used to activate the crane motion on which to perform the speed change
- Push buttons 3 and 4 are used as – and + to decrease or increase the start speed on the selected direction

Step 7 – setting of A / B stop speed crane drive 2

- Push buttons 1 and 2 are used to activate the crane motion on which to perform the speed change
- Push buttons 3 and 4 are used as – and + to decrease or increase the stop speed on the selected direction

Step 8 – setting of A / B start speed crane drive 3

- Push buttons 1 and 2 are used to activate the crane motion on which to perform the speed change
- Push buttons 3 and 4 are used as – and + to decrease or increase the start speed on the selected direction

Step 9 – setting of A / B stop speed crane drive 3

- Push buttons 1 and 2 are used to activate the crane motion on which to perform the speed change
- Push buttons 3 and 4 are used as – and + to decrease or increase the stop speed on the selected direction

Step 10 – setting of A / B start speed crane drive 4

- Push buttons 1 and 2 are used to activate the crane motion on which to perform the speed change
- Push buttons 3 and 4 are used as – and + to decrease or increase the start speed on the selected direction

Step 11 – setting of A / B stop speed crane drive 4

- Push buttons 1 and 2 are used to activate the crane motion on which to perform the speed change
- Push buttons 3 and 4 are used as – and + to decrease or increase the stop speed on the selected direction

Step 12 – setting of A / B start speed crane drive 5

- Push buttons 1 and 2 are used to activate the crane motion on which to perform the speed change
- Push buttons 3 and 4 are used as – and + to decrease or increase the start speed on the selected direction

Step 13 – setting of A / B stop speed crane drive 5

- Push buttons 1 and 2 are used to activate the crane motion on which to perform the speed change
- Push buttons 3 and 4 are used as – and + to decrease or increase the stop speed on the selected direction

Step 14 – setting of A / B start speed crane drive 6

- Push buttons 1 and 2 are used to activate the crane motion on which to perform the speed change
- Push buttons 3 and 4 are used as – and + to decrease or increase the start speed on the selected direction

Step 15 – setting of A / B stop speed crane drive 6

- Push buttons 1 and 2 are used to activate the crane motion on which to perform the speed change
- Push buttons 3 and 4 are used as – and + to decrease or increase the stop speed on the selected direction

Step 16 – 23 setting of on/off buttons


- Push buttons 1 and 2 are used to display the current status of the on/off (L = latched or o = non-latched – shown only in the display inside the receiver).
 - Push buttons 3 or 4 are used to toggle between latched or non-latched status
- "Latched" mode must be enabled in the receiver, to work.


Step 24 - 29 – Proportional mov. reverse directions from 1 to 6 (available from fw1.10).


- Move in step corresponds to maneuver to reverse, (24=F1, 25=F2, 26=F3...)
- Push buttons 1 and 2 are used to control the proportional output selected.
- Push buttons 3 (set as original) and 4 (reverse the status) are used to modify the status.

2.6. Information mode


- The 7-segment display will show the following information about the transmitter:


- Software version 

- Serial number 

- Type of transmitter / Customer 

- Selected transmitter timeout 

- Number of operated hours 

- Locking frequency configuration 

- Push button 9 (both steps) is used to switch between the various information steps, a single press will increase the information step by one.
- Push button 10 (any step) will switch the transmitter completely off
- A sequence of information is displayed on the seven-segment display by showing a character for 750ms, and thereafter turning the display dark for 250ms before the next character is shown