

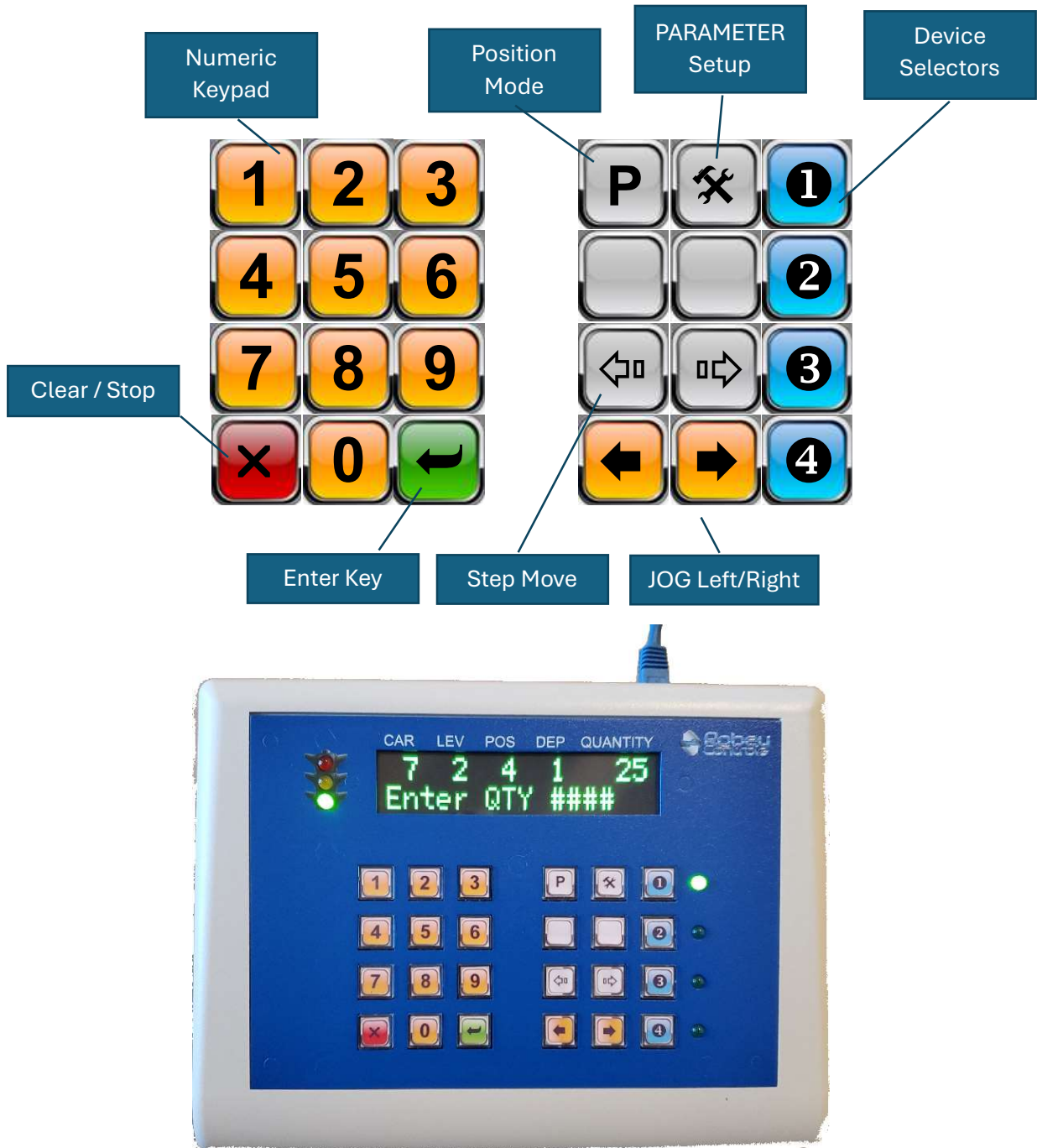


OP3 User Guide



OP3 HMI OVERVIEW

The OP3 HMI is a 24-key controller capable of commanding the HCB control and configuring the system. The HMI includes a 2x16 oLED display, a Traffic Light status indicator, four (4) Device Selector buttons with LED indicators, a plastic table-top housing and a single-cable interface to the HCB control panel COM port. The HMI displays System Error codes and error descriptions and allows the carousels to be re-started after safety interruptions occur.



Key Functions

1. Numeric Keypad
 - a. Used to enter carrier selections and other setup data

2. Clear/Stop key
 - a. Clear display
 - b. Interrupt travel
 - c. Other abort functions



3. Enter Key
 - a. Confirm data entries
 - b. ReStart the carousel after system interruptions



4. Position Mode
 - a. Used to define which location entry mode is active



5. Setup key
 - a. Used to enter the Parameter setup routine (trained technicians only)



6. Device Selectors
 - a. Used to select one of the carousels



7. Step Move
 - a. Used to move multiple carriers with a single button press
 - b. Works with the Parameters LEFT/RIGHT STEP VALUE

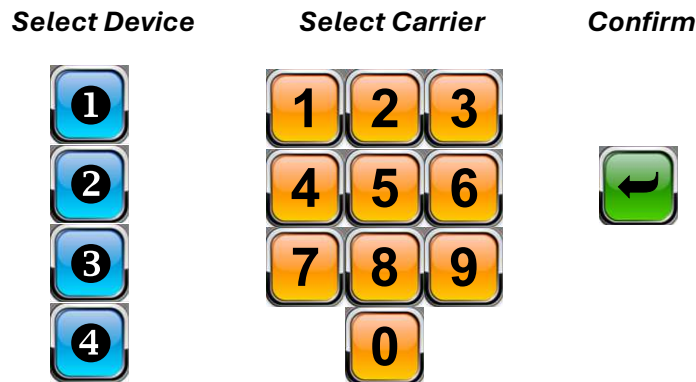


8. JOG Left/Right
 - a. Hold to run the selected carousel
 - b. Release to stop at the next stop position








Selecting a Carrier number:

9. If not already selected, use the buttons 1..4 on the right to select the desired device.
10. Enter the desired carrier number using the number keypad 0..9
11. Confirm the selection by pressing the Green enter key



12. When access to location information (LEVEL, POSITION, DEPTH or QUANTITY) is desired for manual locating or the PLT display, the OP3 can be placed in an entry mode for the additional fields by using the 'P' button. Note: PLT control is only possible when the control is also managing the PLT (not when the PC is managing the PLT)

 CCC	Carrier only mode
 CCC + LL	CCC + Level mode
 CCC + LL + PP	CCCC + LL + Position mode
 CCC + LL + PP + DD	CCC + LL + PP + Depth mode
 CCC + LL + PP + DD + QQQQ	CC + LL + PP + DD + Quantity mode

NOTE: When the system is controlled by an external host computer, such as NOVA or PPG, then this operating mode should not be used. In that case, the host computer manages the Light Towers and inventory levels. we suggest that you stay within the CCC (Carrier only) mode to avoid confusion.

Setting the Carrier number

In the event that a carousel loses its carrier number setting, it can be restored by the following procedure.

1. Select the desired carousel using the BLUE selector buttons 1..4 on the right side of the keyboard.
2. HOLD the '9' key and press the 'LEFT' key as shown below:



3. Release both keys.
The display should now provide a field to enter the actual carrier number for the selected carousel.

4. While in this mode, other keys can be used to position the carousels as follows:

- a. Move to next possible stop position:



- b. Move until key release:



5. Place the carousel at the desired stop position as defined in step 4
6. When the display shows **DP: 01, 10, or 11** then it is ok to redefine the actual carrier number using the orange numeric keys 0..9 followed by the Green Enter key. If you define the new Carrier number while the display shows '00' then it may not synch properly to the desired carrier number.

**If you need help or have questions,
please contact your servicing dealer or us at the email address below:**

support@RobeyControls.com