

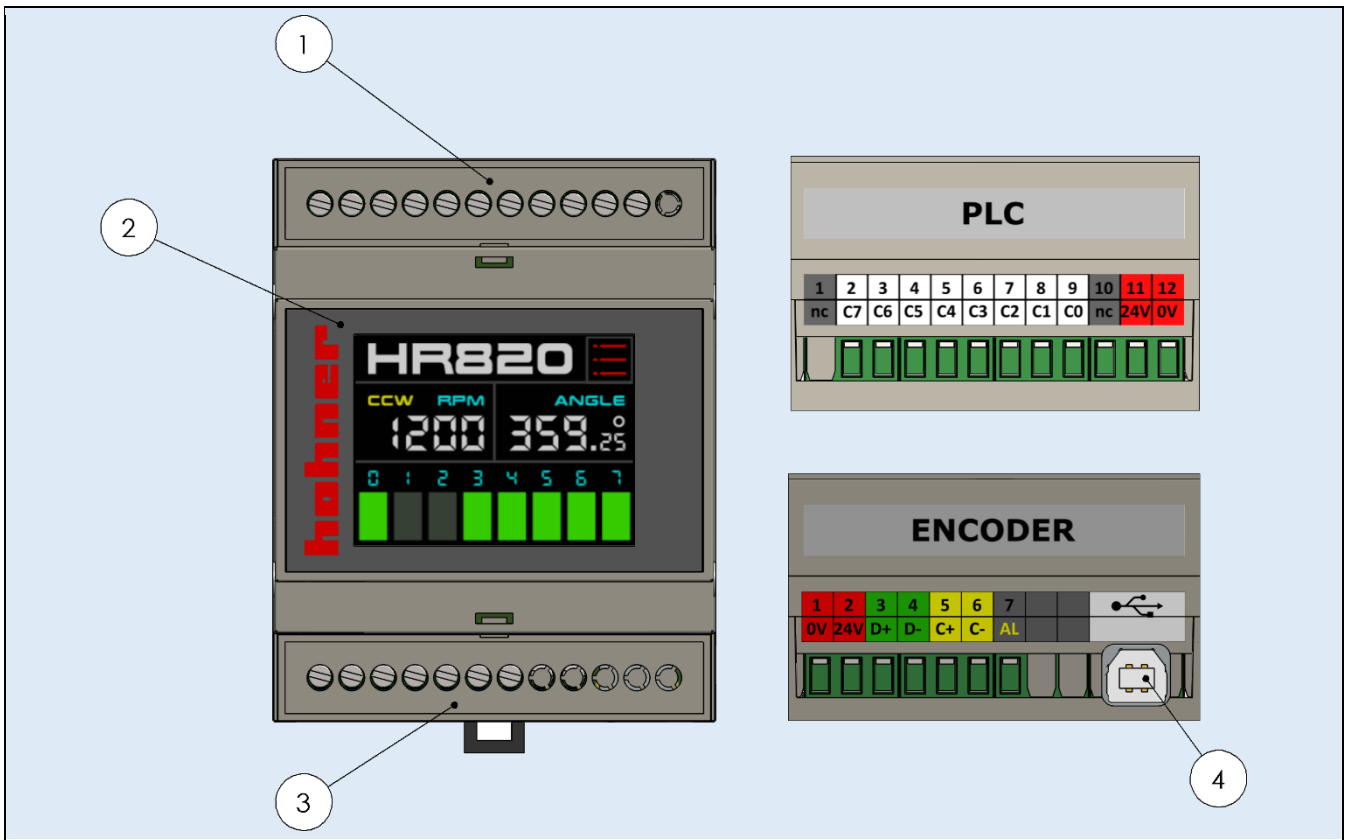
HR820 On board manual

Programmable CAM Device



- Power supply 24 volts DC
- Input Encoder: SSI Binary 13bit
- 8 outputs / channels
- Touch screen
- Alarm Output

Connection and Control



1. PLC side IO. Requested VIN an 0V. Output C0..C7 cams
2. Graphic Display with touch screen functions.
3. ENCODER side IO. Connect SSI encoder. ALARM output, active low when connented to USB or when into SETUP menu.
4. USB connector for pc program.

Preliminary

HR820 must be powered.
SSI Encoder must be connected to HR820.

MAIN Main screen



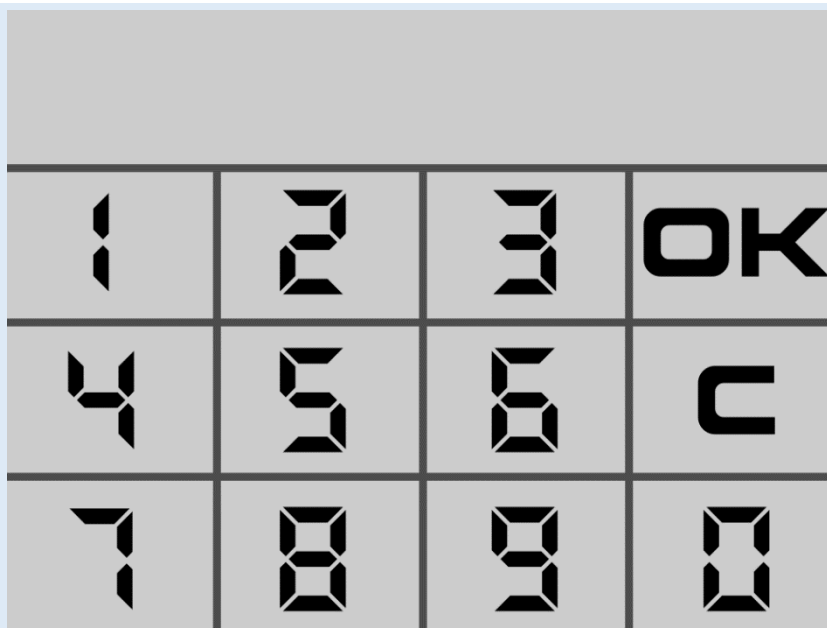
Here are showed:

- RPM
- Encoder shaft Angle 0-360°
- CAM output value. Green = CAM on, Gray = CAM off
- Setted counting direction

Touch on red menu symbol  to open setup MENU.

PASSWORD

To access to setup menu is requested a password. Password can be setted by Windows software (see software manual). Default password **1234**.



Digit the password and then press OK to go to SETUP menu.

SETUP

First setup Menu



Tap on "PRESET to go to PRESET menu, or tap to NEXT to go to next menu.

PRESET

**START
PRESET**

EXIT

Tap on "START PRESET" to set actual encoder position to 0.

PRESET

PRESET IN

3

TOUCH TO CANCEL

After "START PRESET" starts a countdown. If touch scren is presses until the end of the counting the PRESET procedure is cancelled. If not pressed then the PRESET procedure is completed.

PRESET



**PRESET
DONE**



BACK

After "START PRESET" starts a countdown. If touch screen is pressed until the end of the counting the PRESET procedure is cancelled. If not pressed then the PRESET procedure is completed.

DIRECTION



> CW



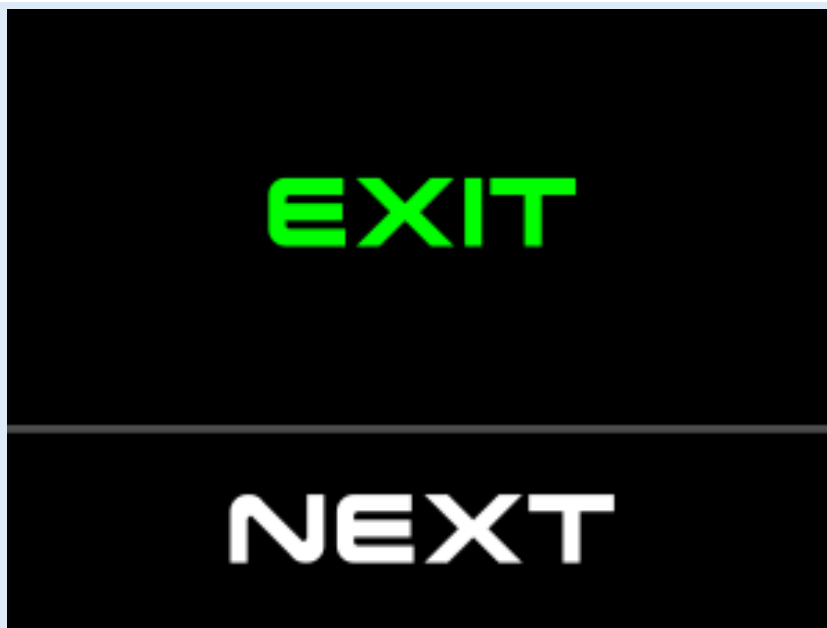
CCW



BACK

Tap on "CW" or "CCW" to set counting direction.

SETUP EXIT



This is the last setup menu, tap on "EXIT" go back to main screen

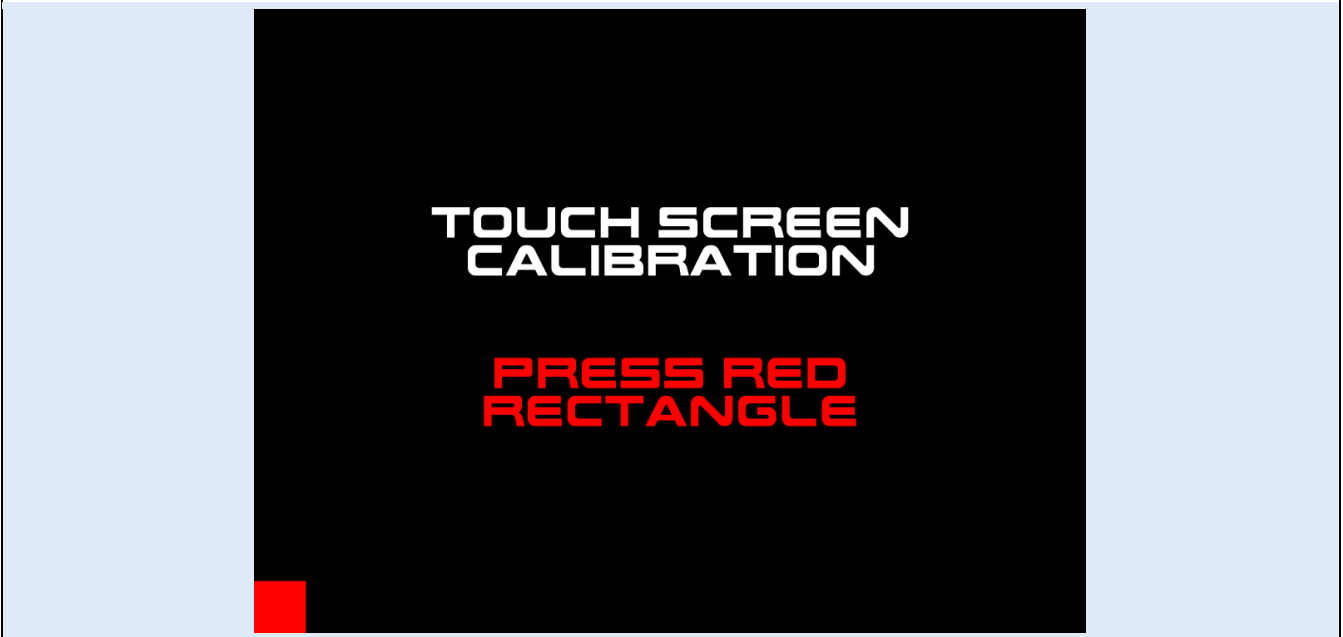
USB

This display is showed when HR820 is connected to computer thru USB.



In this mode, all functions are disabled. Disconnect USB cable to restore normal function.
Refer to HR820 CAM software programming handbook.

TOUCH CALBRATION



To access to this function power off HR820, then press on touch screen during next power on.

TOUCH CALBRATION

After all red corner are touched, touch the red rectangle in the middle of the screen to save new calibration data.



To exit from this function power off HR820.

Revision History

Release	Release Date	Chapter	Modification	Page
A1	04-09-2019	-	Emission	-