

# Wlx.xx.840.xxxxx

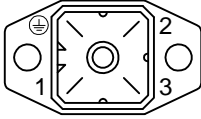
Type "DS" D-sub 25 female cable connector and housing is supplied as standard.

Option: Type "WS" IP 65 housing, incl. 2 pcs. PG7.

Cablepart Type "PS" power connector is supplied as standard.

230V Version:

1. AC, Line
2. NC
3. AC, Neutral
4. Earth



24Vdc Version:

1. NC
2. 24V
3. NC
4. 0V

Software setup:

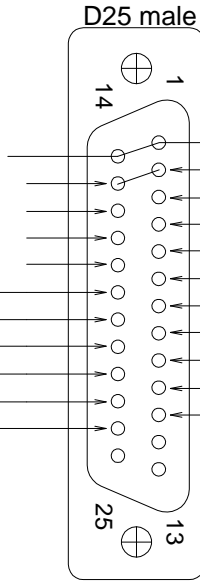
When connecting to a ASCII terminal or a PC with a terminal emulation program, it is possible to add additional features to the counter, such as scaling, leading zero blank, network node no., baudrates, and other modes like ex. timer / stopwatch.

These options are normally set up from factory on request. SERIAL OUTPUT: Display value is sent automatically every second for connection of slave displays or datacollecting. Full value (8 digits) is send in ASCII seperated by <CR>, or when a display address is selected, in TDI-NET protokol. Default baud: 9600,N,8,1.

Note: When 240V ac or 24Vdc is supplied via the "PS" connector, pin 1+14 is used for 12/24V exit. volt output, max 100mA.

Pin no:

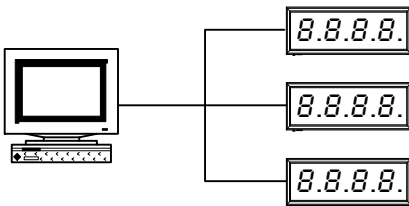
- 16: RTX - RS485, Isolated, use
- 17: RTX+ pin 5 as Signal ground.
- 18: RS485 Select. (Connect to 0V)
- 19: PI, Preset Increase
- 20: RESET
- 21: "EVEN" output
- 22: PRESET COUNT
- 23: Up/Down "B"
- 24: COUNT IN "B"



- 1+14: Internally shorted = 24Vdc supply
- 2+15: Internally shorted = 0V supply
- 3: RX - 232 (isolated)
- 4: TX - 232 (isolated)
- 5: S-gnd (isolated) also used for RS485
- 6: DPS, Decimal Point Select
- 7: PDS, Preset Digit Select
- 8: "0000" output
- 9: Count inhibit. A+B
- 10: Up/Down "A"
- 11: COUNT IN "A"

NOTE! All connections NOT specified, is not supported by software, and may not be connected.

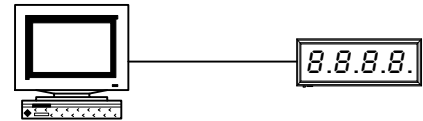
RS485:



Note: Connect pin 18 to pin 15, for selection of RS485 com. consult dealer for communication protokol and connections.

DEFAULT COUNTER FUNCTIONS:

- COUNT "A" : input counts on pos. puls min. 5mSek. 100Hz
- COUNT "B" : input counts on pos. puls min. 5mSek. 100Hz
- UP/DOWN "A" : "0" or none = counts up, "1" = Down.
- UP/DOWN "B" : "0" or none = counts up, "1" = Down,
- COUNT INHIBIT: Disables both counter input.
- RESET, resets to "0" or to setpoint value if Preset count "1"
- PRESET CIFFER SELECT: shifts preset to next left digit.
- PRESET DP. SELECT: shifts to next left decimalpoint.
- PRESET INCREASE: increments selected preset digit or turns decimal point on/off.
- PRESET COUNT : "1" selects presetvalue as startpoint.
- "0" OUT: Output goes high "1" at counter value "0000000"
- EVEN OUT: Goes high "1" if counter value = preset value.



Default connection for PC,PLC, etc:  
RS232, 9600 baud, 1 stop bit, no Par.

- RS232, TX to pin 3 = RX
- RS232, RX to pin 4 = TX (only for prg.)
- GND to pin 5 = SIG.GND
- Power: either 24Vdc or 220Vac in PS connector.

PRESET FUNCTIONS:

- Preset inputs can be used manually via switches or controlled by PLC, RELAY's, etc in following way:
- Press "PDS" and "PI" simultaneous, and LSD will flash.
- Press "RESET" to make sure to start from "00000000"
- Press PI to increase value on selected digit.
- Press PDS alone to select new left digit.
- Continue until all digit is preset, and then press PDS several times until display returns to counter value. Presetvalue is then stored.
- Press PDS alone, to check PRESET VALUE.
- DECIMAL POINT SELECT:
- Enter PRESET mode as above, then Press DPS several times until Decimal point is in the correct position. Store DP location in the same way as above.