

Wlxx.xx.836.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.

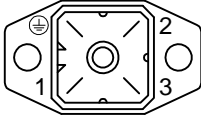
Cablepart Type "PS" power connector is supplied as standard.

Software setup:

This unit is supplied with standard factory setup, according to following specification for max. 8 digit displays. The included serial RS232/485 port is standard for all types, and normally only used for setup. In this version, actual display data is transmitted via serial interface, approx. 1 time each second, to be able to connect a number of display, showing parallel data over long distance (upto 1200m). Se appl. drawing. Pls. contact factory for other options.

230V Version:

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



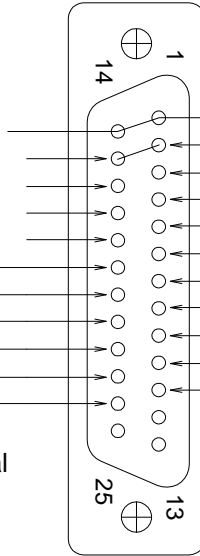
24Vdc Version:

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

Note: When 240V ac 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: BCD 2, digit A: 1,3,5,7
- 20: BCD 8, digit A: 1,3,5,7
- 21: BCD 2, digit B: 2,4,6,8
- 22: BCD 8, digit B: 2,4,6,8
- 23: Digit select 3+4
- 24: Digit select 7+8

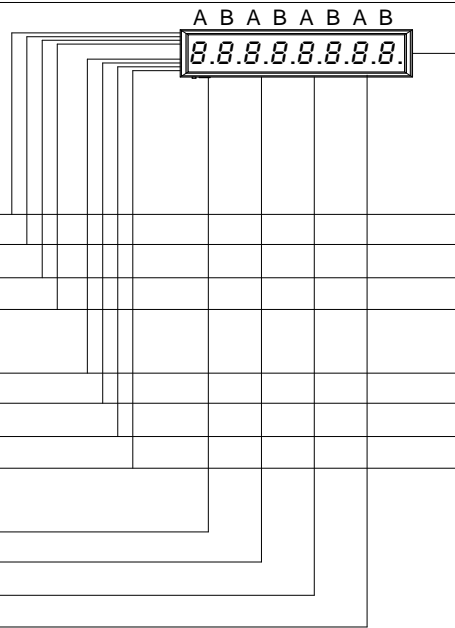
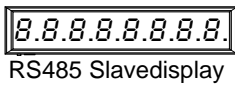


- 1+14: Internally shorted = 24Vdc supply
- 2+15: Internally shorted = 0V supply
- 3: RX - 232 (isolated)
- 4: TX - 232 (isolated)
- 5: S-gnd (isolated) also used for RS485
- 6: BCD 1, digit A: 1,3,5,7
- 7: BCD 4, digit A: 1,3,5,7
- 8: BCD 1, digit B: 2,4,6,8
- 9: BCD 4, digit B: 2,4,6,8
- 10: Digit select 1+2
- 11: Digit select 5+6

Note: At least 1 digitselect line, related to the actual display size, must be "high" to lighth up a digit.
Ex: digit select 1+2 in a 2 digit display.

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

Parallel BCD communication (High = "1" min. 10mSec. puls), upto 8 digits (max 2 digits simultaneous mode). Normally used for PLC's in Parallel 24V connection or at simple connections via BCD switches and encoders: HIGH input on BCD Data section A and B, shows instantly on the selected digitsection. The value shown is according to the BCD data input (see Binary list). Display blanks in the same way when all data inputs is "high". Decimalpoint can only be added as a fixed point, not to be controlled. (pls. contact factory or specify by order). Optional You can order ekstra interface for ex: 4 times 4 bit data input (4 digit display). Simultaniuos data in several displays can be connected in two ways. Either connect all displays in parallel or connect only 1 display to PLC and then connect all RS485 port's in parallel, +to+ and -to -, in this way the first display will automaticly update all other display. Contact factory for correct setup and connection. You need only a 2 wire twisted pair, shielded cable, upto 1200 meters distance between all other displays.



PLC parallel output:

- BCD 1, digit A: 1,3,5,7
- BCD 2, digit A: 1,3,5,7
- BCD 4, digit A: 1,3,5,7
- BCD 8, digit A: 1,3,5,7
- BCD 1, digit B: 2,4,6,8
- BCD 2, digit B: 2,4,6,8
- BCD 4, digit B: 2,4,6,8
- BCD 8, digit B: 2,4,6,8

- Digit select, 1+2
- Digit select, 3+4
- Digit select, 5+6
- Digit select, 7+8
- Digit select, ?+?
- Digit select, ?+?

BCD input: 1, 2, 4, 8	Display:
0 0 0 0	0
1 0 0 0	1
0 1 0 0	2
1 1 0 0	3
0 0 1 0	4
1 0 1 0	5
0 1 1 0	6
1 1 1 0	7
0 0 0 1	8
1 0 0 1	9
0 1 0 1	-
1 1 0 1	E
0 0 1 1	H
1 0 1 1	L
0 1 1 1	P
1 1 1 1	(blank)