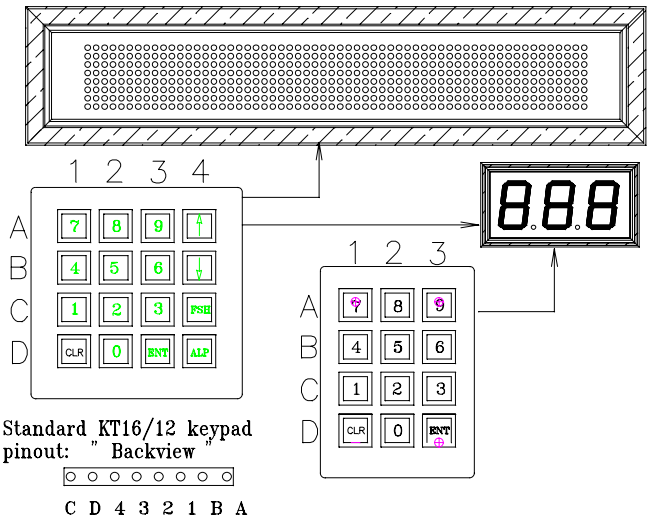
WIxx.xx.835.xxxxx :



Standard KT16/12 keypad pinout: " Backview "

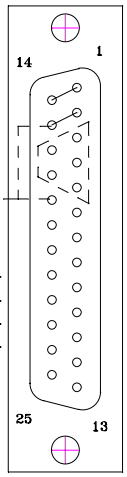
C D 4 3 2 1 B A

IM/IA.835.- offers You the possibility to key in a numeric value, or/and call a fixed TEXT stored in display memory and ad numeric value (type IA only). You can increase/decrease numericvalue/text adress no. by "arrow keys" or directly key the numeric value/adress no.
Aditionally a special flash funktion can draw the attention to read the display.

Type "DS" D-sub 25 female cable connector and housing is supplied as standard.
Option: Type "WS" IP 65 housing, incl. 2 pcs. PG7, and 1 PG9.
Type "PS" 24Vac and 240Vac power connector is supplied as standard.

All inputs accepts 5 - 30V dc input = logic "1"
All outputs are PNP transistor output max 100mA, with internal pulldown. Output voltage vary depends on application.

D25 male



1 + 14: Note: When 24Vac and 240Vac is supplied via the "PS" connector, these are used for 12/24V exit. volt output, max 100mA.

16: RTX- RS 485, Isolated, use
17: RTX+ pin 5 as Signal ground.
18: RS485 Select. (connect to 0V)
19: NC
20: NC
21: Keymatrix Colum B
22: Keymatrix Colum D
23: Keymatrix Row 2
24: Keymatrix Row 4

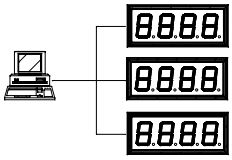
1+14: Internally shorted = 24Vdc supply,
2+15:Internally shorted = 0V supply + Earth!
3: RX - 232 (isolated)
4:TX - 232 (isolated)
5:S-gnd (isolated) also used for RS485.
6: NC
7: NC
8: Keymatrix Colum A
9: Keymatrix Colum C
10: Keymatrix Row 1
11: Keymatrix Row 3

PC,PLC, etc:

RS232, TX to pin 3 = RX
RS232, RX to pin 4 = TX
GND to pin 5 = SIG.GND

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

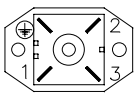
RS485:



Note: connect pin 18 to pin15, for selection of RS485 com.

Type "PS" 24/220VAC power-supply connector (cablepart IP65) is supplied as standard.

4: Earth, chassis.



2:NC

1: AC, FASE.

3: AC, Neutral.

Keyfunction:

CLR + ENT :pressed simultanius resets and clears the display.

↑ : Increases the numeric value with 1 LSB/push.

↓ : Decreases the numeric value with 1 LSB/push.

0 - 9 : Numeric keys used to key in numeric value or text adr. no. and must be follwed by a the "ENT" key.

ENT : Ends the key sequence and displays numeric value in rigthhand side of display, if alphanumeric text is selected, text is written from left to rigth.
Note: after "ENT" keyfunctions always returns to numeric function.

CLR : " CLEAR " Clears keyin buffer.

ALP + ENT : Shifts to "TEXT" select, following numeric value will select adress no. Press "ENT" to display.

ALP : shifts "arrow UP and DOWN" to increase/decrease text adress no. Press "ENT" to return to numeric function.

How to use the system:

Numeric: Press "CLR" if You are NOT sure that the keyin buffer is emty, then key in the number and press "ENT", If You key in more digits than the display is made for, the latest keyin will be valid. You can clear the complet keyin buffer, by pressing "CLR".
If You need to in/decrease the value in display by a few LSD, You just press "arrow" UP or DOWN.
Alpanumeric: If You have a alphanumeric display, You can combine the text memory with a numeric value as above. (always placed in rigth side of display).
In this mode You need a 16 key pad minimum.
Press "ALP + ENT" , then key the adress no. for the text You want to display, and press "ENT". Now new text overwrites old text, and key function returns aut. to numeric mode , as above. Old numeric value will stay the same until changed. Additionally You can change text by in/decrease the text adress no. Press "ALP" + "arrow" UP or DOWN simultanius, and text wil change to next adress no. and return aut. to numeric mode.
FLASHING: press "FLS" to flash display in 5 sec.