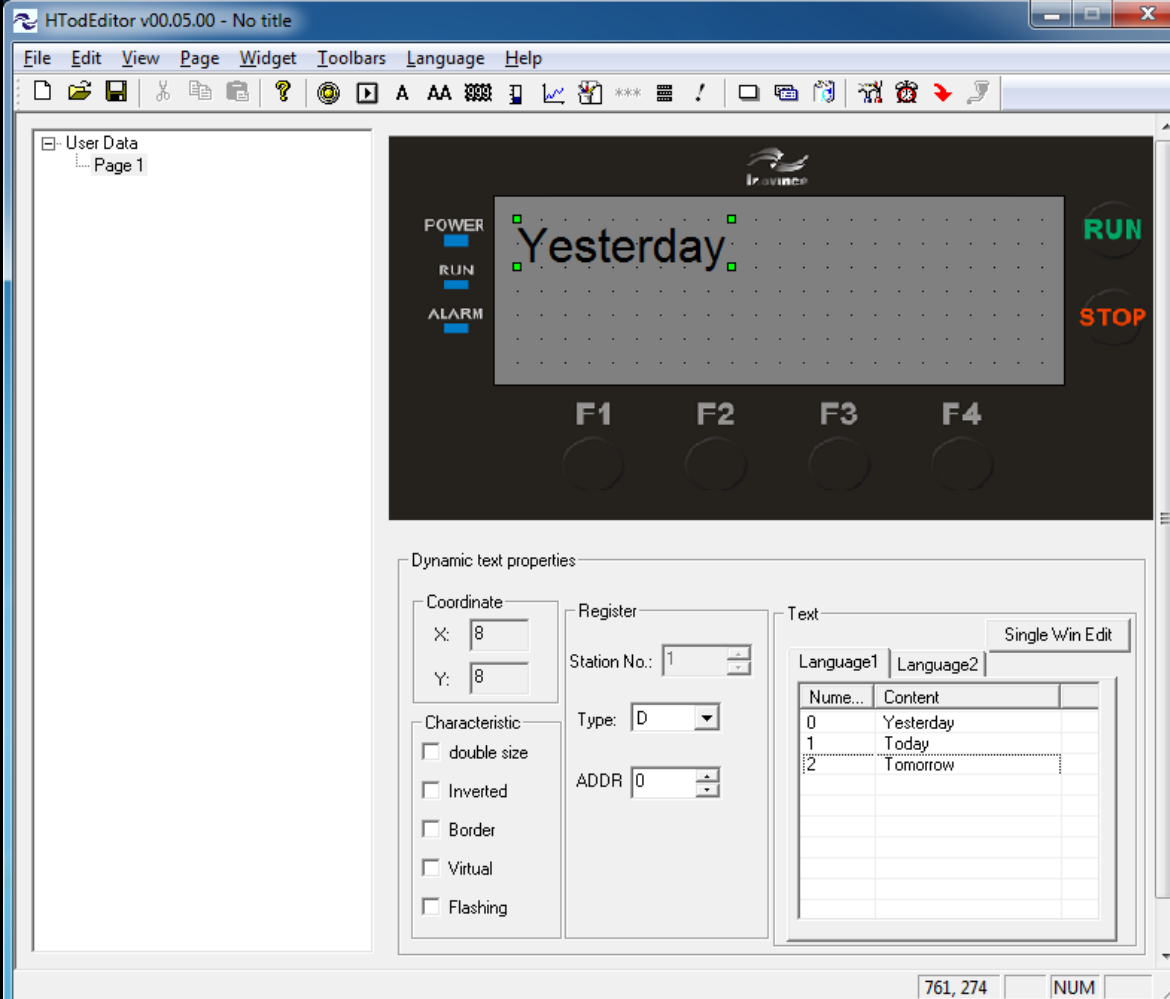


3. PLC function

H0U-XP Widgets(Dynamic Text)

Note: For the graphics programming, HTodEditor should be installed first.

Dynamic Text supports maximum of 32 contents for every setting address which includes D and M component.



The screenshot displays the HTodEditor v00.05.00 software interface. The main workspace shows a graphical representation of a PLC control panel with a central display area containing the text 'Yesterday'. To the left of the display are three indicators labeled 'POWER', 'RUN', and 'ALARM'. To the right are two buttons labeled 'RUN' and 'STOP'. Below the display are four function keys labeled 'F1', 'F2', 'F3', and 'F4'. The 'Dynamic text properties' panel is open, showing the following settings:

- Coordinate: X: 8, Y: 8
- Register: Station No.: 1
- Type: D
- ADDR: 0
- Characteristic: double size, Inverted, Border, Virtual, Flashing

The 'Text' panel shows a table with two columns: 'Language1' and 'Language2'. The table contains the following data:

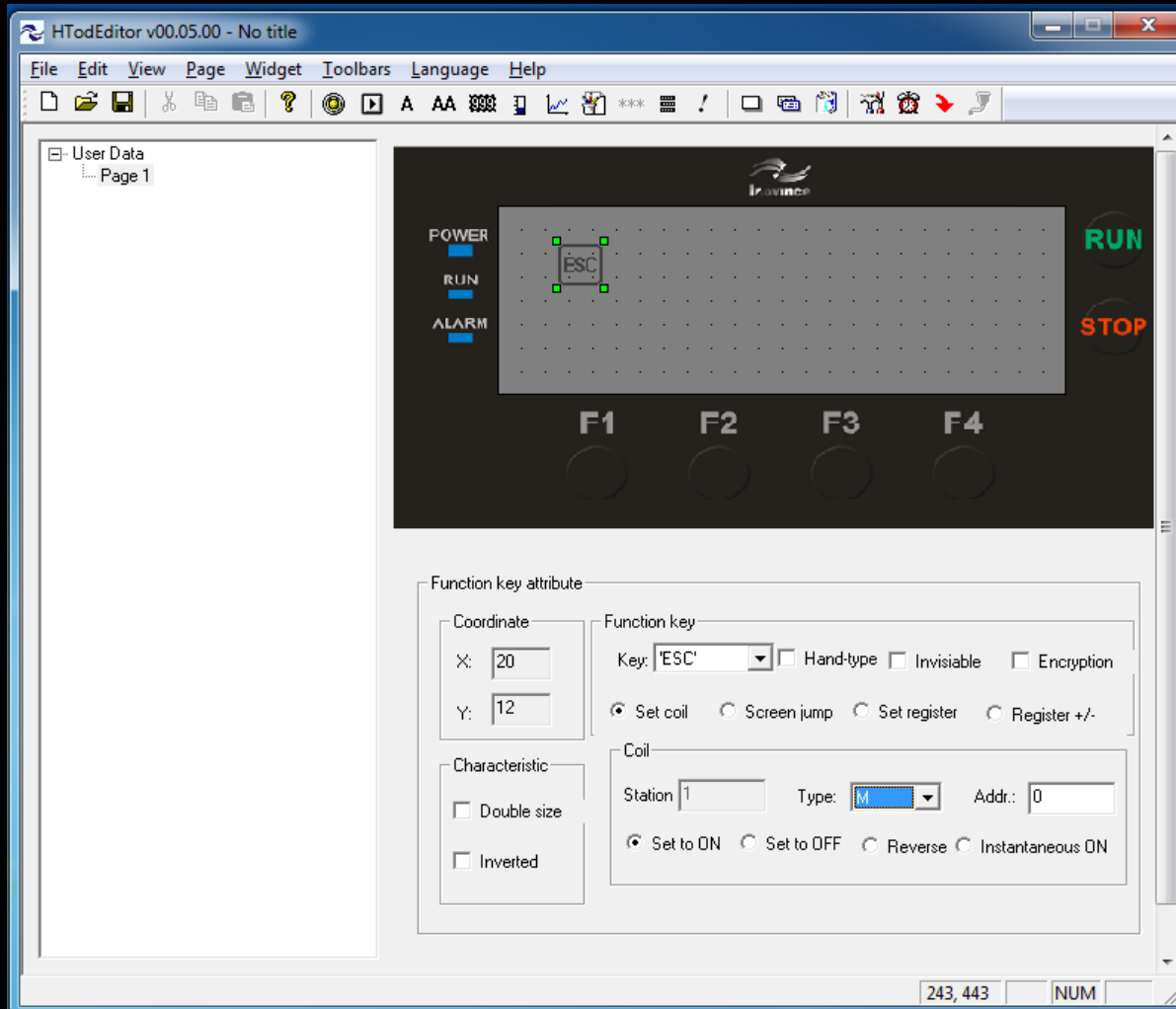
Num...	Content
0	Yesterday
1	Today
2	Tomorrow

The status bar at the bottom right shows '761, 274' and 'NUM'.

3. PLC function

H0U-XP Widgets(Key/Function key)

Function key is used to set coil, screen jump, set register and register +/- by pressing the key on panel.



3. PLC function

H0U-XP Widgets(Key/Function key)

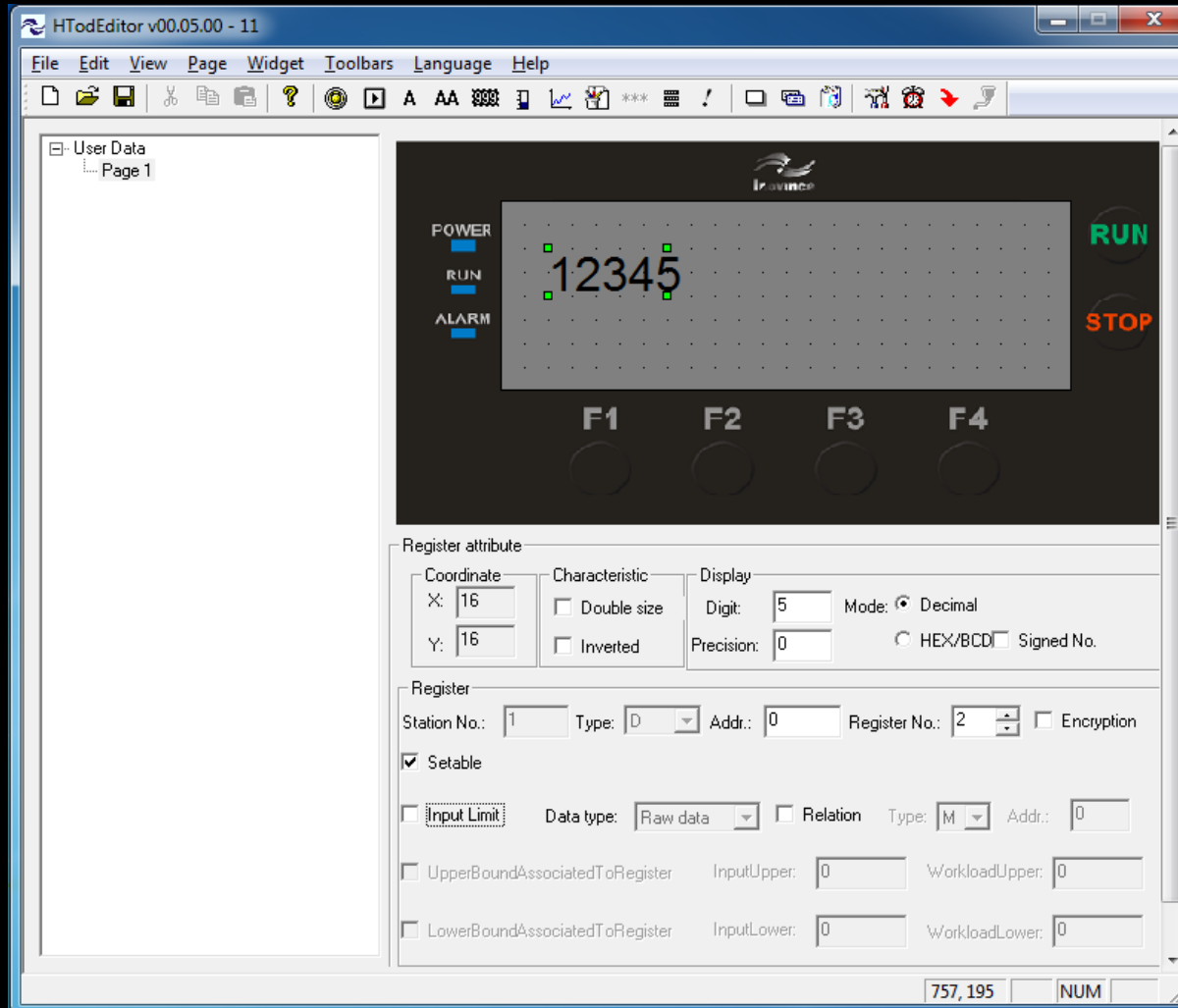
Function key is used to set coil, screen jump, set register and register +/- by pressing the key on panel.

Function key	Details
Key	There're 25 keys(on the panel) to choose
Hand-type	Hand-type sign added indicating pressing the key
Invisible	Key is invisible on the screen but function still exists
Encryption	Encrypted key, only available when system password is valid
Set coil	Key for coil setting
Screen jump	Key for screen jump to any page and alarm list
Set register	Key for setting in the D register
Register +/-	Key for increasing/decreasing value in the D register with upper/lower limit
Set to ON/OFF	Set the coil to ON/OFF
Inverted	Every pressing the key, the coil changes from ON to OFF or OFF to ON
Instantaneous ON	Coil sets ON when key pressed, coil sets OFF when key released

3. PLC function

H0U-XP Widgets(Register)

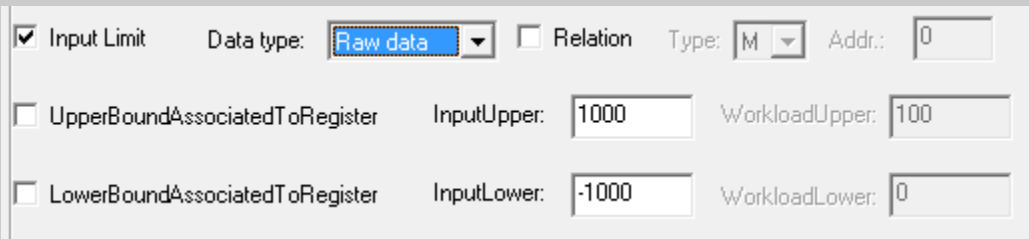
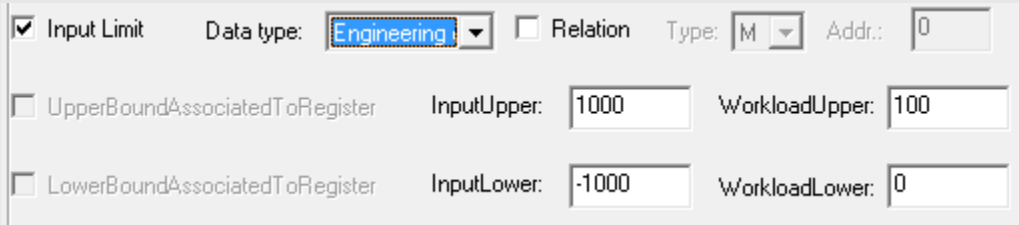
Register is used to set value in decimal or Hex.



3. PLC function

H0U-XP Widgets(Register)

Register is used to set value in decimal or Hex.

Settings	Details
Register No.	1 or 2 words
Encryption	Available when privilege level > 0
Input limit(Raw data)	
Input limit(Engineering data)	 <p data-bbox="454 1049 1796 1385"> If input data=A, display data=B, then $B = \text{Workload Lower} + (A - \text{Input Lower}) \times \text{Proportion coefficient}$ $\text{Proportion coefficient} = (\text{Workload Upper} - \text{Workload Lower}) / (\text{Input Upper} - \text{Input Lower})$ For example, if the input data=0, then the display data is $0 + (0 - -1000) \times (100 - 0) / (1000 - -1000) = 50$ </p>

3. PLC function

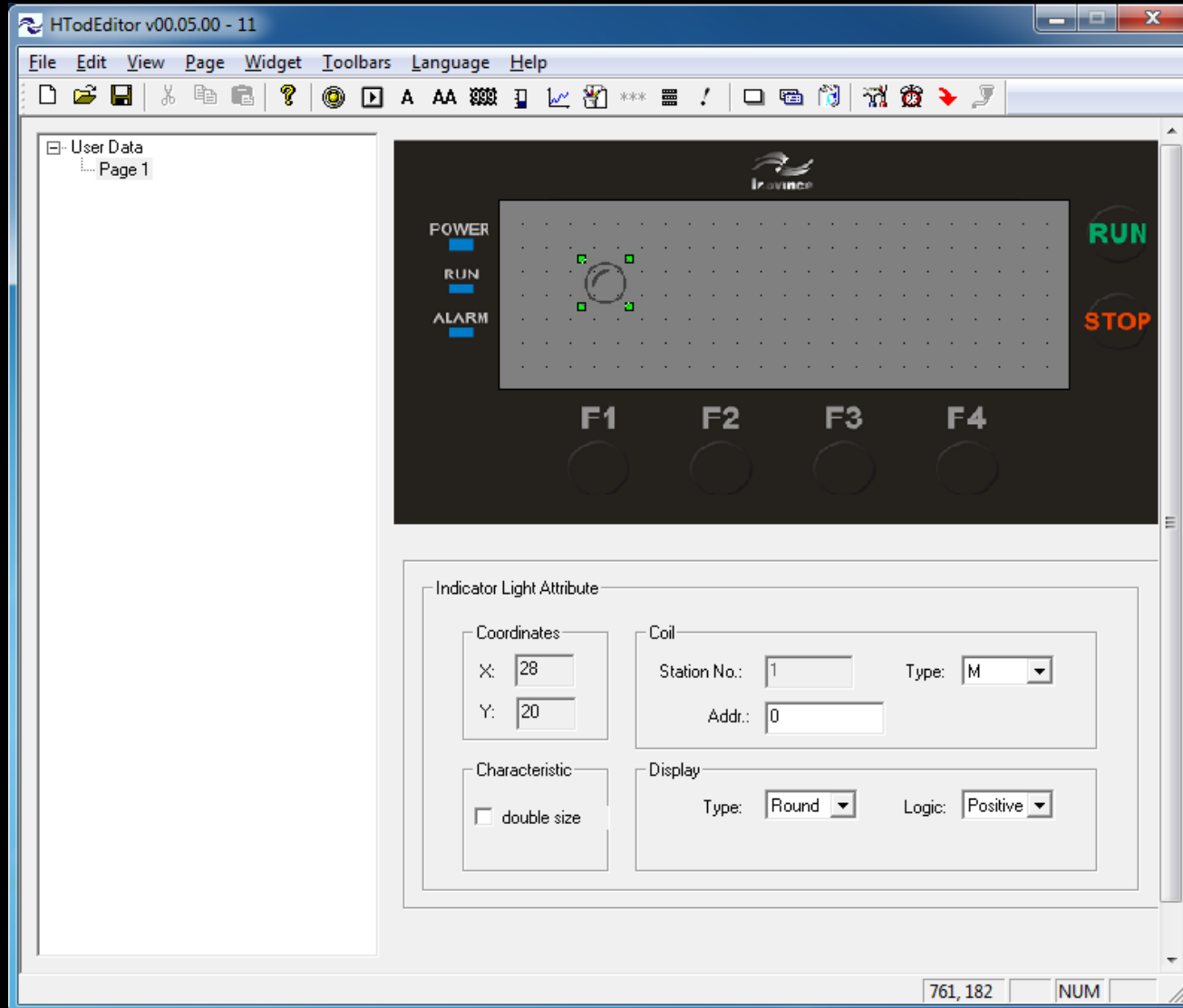
H0U-XP Widgets(Register)

Settings	Details
Digit	Max. number of digits of data
Precision	Number of digits after decimal point
Operation	If settable, press "SET" to select the register, press number key to set number, press "CLR" to clear, press "ENTER" to write in and transfer to next register, press "ESC" or "SET" to cancel setting.

3. PLC function

H0U-XP Widgets(Light Indicator)

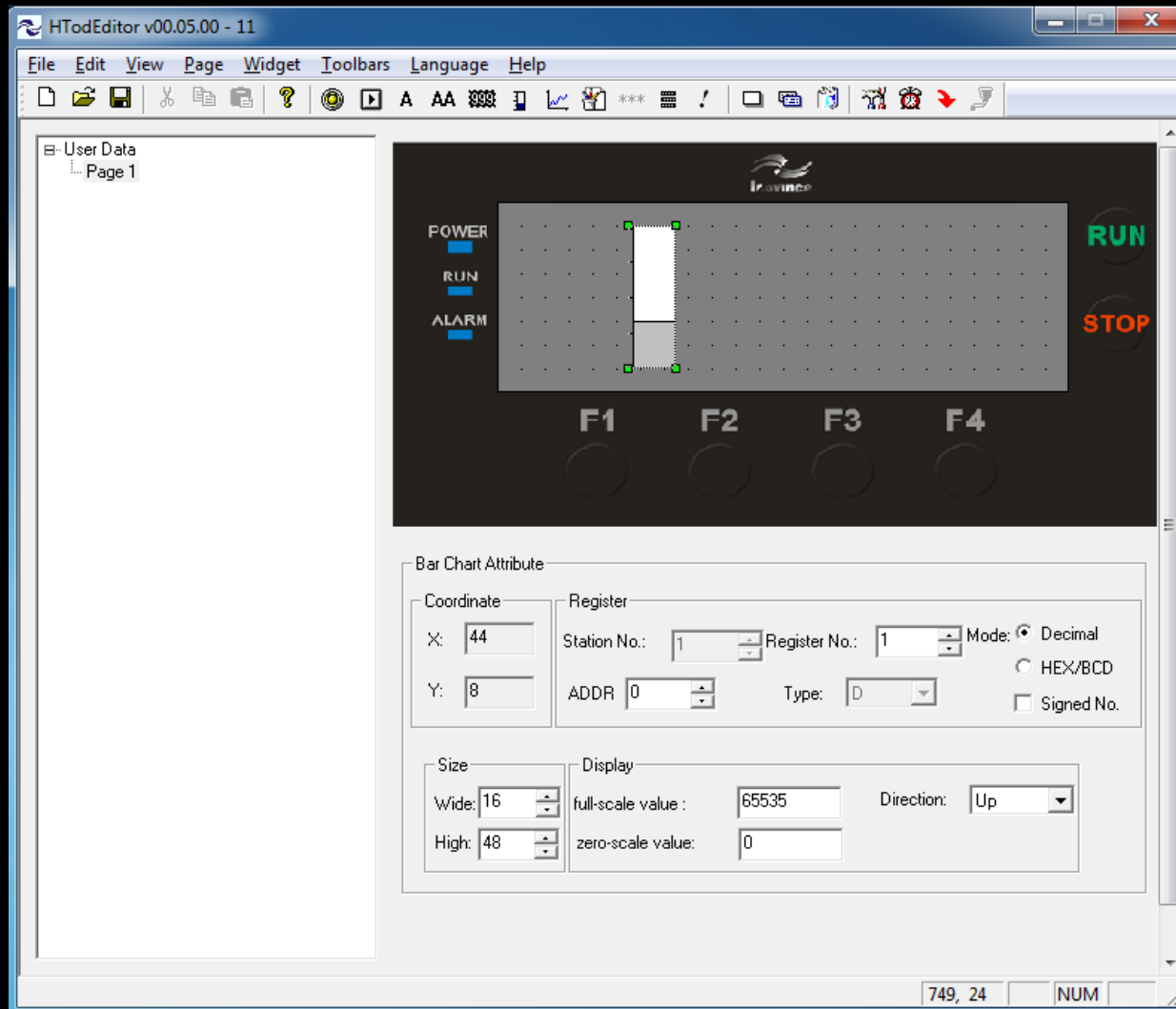
Light indicator is used to display the state of M, X, Y ,D component.



3. PLC function

H0U-XP Widgets(Bar Graph)

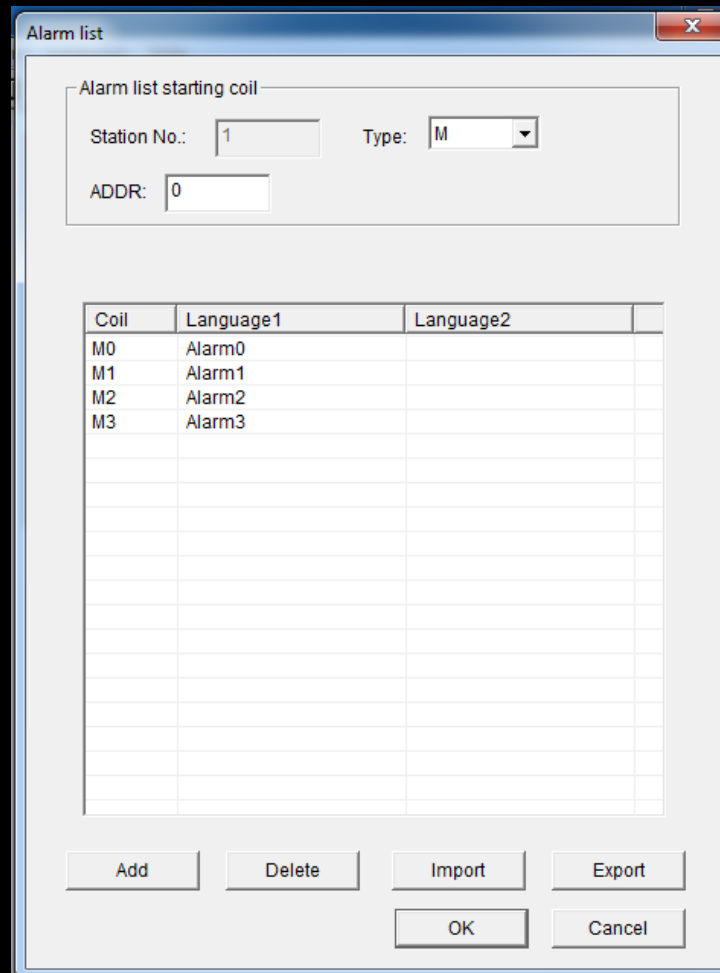
Bar graph is used to directly display the analog parameters like flow, pressure, level etc.



3. PLC function

H0U-XP Alarm list

Alarm list is used to show the latest state of selected component which supports M and D. For example, if M0 turns ON, the screen switches to the alarm page and shows “Alarm0” in the first row, then M1 turns ON and “Alarm1” appears in the second row, if M0 turns OFF then “Alarm0” disappears in the first row.



The screenshot shows a dialog box titled "Alarm list" with a close button (X) in the top right corner. Inside the dialog, there is a section labeled "Alarm list starting coil" containing three input fields: "Station No." with the value "1", "Type" with a dropdown menu showing "M", and "ADDR" with the value "0". Below these fields is a table with three columns: "Coil", "Language1", and "Language2". The table contains four rows of data:

Coil	Language1	Language2
M0	Alarm0	
M1	Alarm1	
M2	Alarm2	
M3	Alarm3	

At the bottom of the dialog box, there are six buttons: "Add", "Delete", "Import", "Export", "OK", and "Cancel".

3. PLC function

H0U-XP/H1U-XP device overview

Device name	Details		
Input/Output Relay			
Input Relay	X0~Xn	n: Model dependant, octal number	
Output Relay	Y0~Yn	n: Model dependant, octal number	
Auxiliary Relay			
General	M0~M383	384 points	Only support power-off non-latched
Latched dedicated	M384~M3071	2688 points	Only support power-off latched
Special	M8000~M8511	512 points	Only support power-off latched
State Relay			
Latched	S0~S999	1000 points	Only support power-off latched
Timer			
100ms	T0~T191	192 points	0.1~3,276.7s, non-latched

3. PLC function

H0U-XP/H1U-XP device overview

Device name	Details		
100ms	T192~T199	8 points	0.1~3,276.7s, subprogram and interrupt subprogram used, non-latched
10ms	T200~T245	46 points	0.01~327.67s, non-latched
1ms	T246~T249	4 points	0.001~32.767s, only support power-off latched for interrupt subprogram
100ms accumulated	T250~T255	6 points	0.1~3276.7s, only support power-off latched
Counter			
General increased(16 bit)	C0~C15	16 points	0~32,767, only support power-off non-latched
Latched increased(16 bit)	C16~C199	100 points	0~32,767, only support power-off latched
General increased/decreased(32 bit)	C200~C219	20 points	-2,147,483,648~+2,147,483,647, only support power-off non-latched

3. PLC function

H0U-XP/H1U-XP device overview

Device name	Details		
Latched increased/decreased(32 bit)	C220~C234	15 points	-2,147,483,648~ +2,147,483,647, only support power-off latched
High Speed Counter			
Single phase single counter increased/decreased(32 bit)	C235~C245	11 points	-2,147,483,648~ +2,147,483,647, only support power-off latched
Single phase double counter increased/decreased(32 bit)	C246~C250	5 points	
Double phase double counter increased/decreased(32 bit)	C251~C255	5 points	
Data Register			
General	D0~D127	128 points	Only support power-off non-latched

3. PLC function

H0U-XP/H1U-XP device overview

Device name	Details		
Latched dedicated	D128~D7999	7872 points	Only support power-off latched
Special	D8000~D8511	512 points	
Index	V0~V7, Z0~Z7	16 points	
Pointer&Subprogram			
CJ instruction used	P0~P127	128 points	Used with LBL instruction, P63 points to the end of main program
CALL instruction used	/	512 points	For regular, encrypted subprograms
Input interrupt X000~X005	I00n~I50n	6 points	n: 0 falling edge interrupt 1 rising edge interrupt
Timer interrupt	I6nn~I8nn	3 points	nn= 01~99 time base=1ms
Counting complete interrupt	I010~I060	6 points	HSCS instruction used

3. PLC function

H0U-XP/H1U-XP device overview

Device name	Details		
Nested Pointer			
Main control circuit used	N0~N7	8 points	MC instruction used
Constant			
Decimal constant K	16 bit	-32,768~+32,767	
	32 bit	-2,147,483,648~+2,147,483,647	
Hexadecimal constant H	16 bit	0~FFFF	
	32 bit	0~FFFFFFFF	
Real E	32 bit	0, $-1.0 \times 2^{128} \sim -1.0 \times 2^{-126}$, $1.0 \times 2^{-126} \sim 1.0 \times 2^{128}$	