

UniOP Command Summary

Description of the UniOP standard
command set

Copyright © 2008 Sitek S.p.A. – Verona, Italy

Subject to change without notice

The information contained in this document is provided for informational purposes only. While efforts were made to verify the accuracy of the information contained in this documentation, it is provided “as is” without warranty of any kind.

Third-party brands and names are the property of their respective owners.

[Hwww.uniop.com](http://www.uniop.com)H

Contents

1	Command Summary	4
1.1	Configuration Mode.....	6
1.2	Operation Mode/Page Mode.....	6
1.3	Command Menu.....	6
1.4	System Menu	7
1.5	Data Entry Mode	7
1.6	Alarm Mode.....	7
1.7	Event Mode	8
1.8	Password Entry Mode.....	8
1.9	Time and Date Set Mode	8
1.10	Direct Page Selection Mode	8
2	Special Modes: Calibration, Configuration and Safe Mode	9
2.1	Touchscreen Calibration - "Go to Calibration Mode"	9
2.1.1	Standard Calibration	9
2.1.2	Emergency Calibration.....	9
2.2	"Go to Configuration Mode"	9
2.2.1	HMI Units with Touch Screen	9
2.2.2	HMI Units with Keyboard	10
2.3	Safe Mode.....	10
2.3.1	HMI Units with Touchscreen	10
2.3.2	HMI Units with Keyboard	10
3	Dedicated LED Indicators	11

1 Command Summary

All UniOP panels have an extended set of pre-defined commands. Commands are available for the use of the built-in system functions including navigation in all system pages. The command set has been designed to be compatible with both touchscreen and keypad devices.

Note: *The standard command assignment is described in this chapter. All the commands, except those defined for Configuration Mode, can be changed, deleted and/or extended using the Keyboard Macro Editor facility of the programming software.*

The chapter describes the touchscreen and keyboard commands recognized by all UniOP panels. Commands are classified according to the operating modes of the unit.

All the UniOP models, except the eTOP family, the ECT-16, ELT-16, ERT-16 and the ExT-VGA, have at least 4 arrow keys and the Enter key. Panels with touchscreen will show system-defined touch keys on the screen whenever it is required.

UniOP panels with touchscreen interface have an on-screen touch keypad as shown in figure 1.

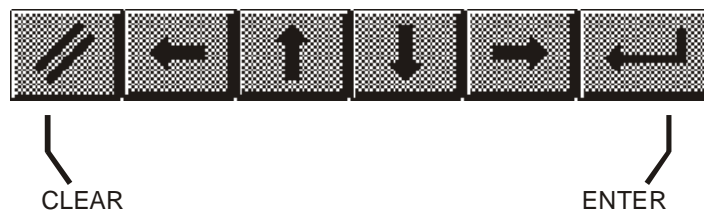


Figure 1 - Default touch keys for the panels with touchscreen

Some older models are designed to be attached to an external keyboard of type ET-F or AT-F; the commands described in this chapter are generally referring to the use of an external keyboard

Some of the keys described in this chapter may not be available in each UniOP model. The functions associated to them may, however, be implemented using the Keyboard Macro Editor or using an alternative predefined key.

Some models do not have CLEAR key on the keyboard; the corresponding function can be done pressing the keys **← e →** at the same time.

Models without numeric keypad and without touch screen allow numeric data entry using arrow keys and/or using the Keyboard Macro Editor.

The layout of keys may be slightly different between different UniOP models. The most common key layout with a brief description of the key function is given below.

Note: *Not all keys are available in all UniOP models. Check the keyboard layout of your UniOP panel to determine what keys are available. All touchscreen models have the same default keypads. Please remind that all keypad can be changed by the user except the Configuration Mode keypad.*
















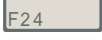

	ENTER	
	CLEAR	
	HELP	
	ESCAPE	When available it is equivalent to the CLEAR key
	Page Up	
	Page Down	
	Home	
	Question Mark	No default function assigned. Same as HELP button. Configure with Macro Editor
	Check	Battery check. Not configurable with Macro Editor
	“0”/INS	
	“3”	
	“6”	
	“9”/PRN	
	Dot	
	+/-	
	F Key	Function Key
	F Key	Function Key with ASCII data and LED indicator
ENABLE	ENABLE	Available only in ET-F keypads
Prt Scr	Prt Scr	Available only in ET-F keypads

Table 1. Keyboard keys

Touch screen panels will show automatically a numeric keypad whenever the data entry phase is activated. Pop-up keypads are configurable by users.

Note: the text ‘2 s’ associated to a key means that the key must be held pressed for two seconds to activate the associated function.

1.1 Configuration Mode

- ENTER** shows the type and version of the communication driver stored in the unit (if any) and boot FW version.
- ENTER 2 s** returns to Operation Mode if a valid communication driver and a valid project are stored in the unit (the key must be pressed for 2 seconds)
- CLEAR 2 s** Call standard touchscreen calibration procedure; only for panels with touchscreen
- ↑** Update firmware; only for units with firmware type 58, 60 (“B” series), 70 (“C” series).
- ← 2 s** Erase Static RAM (Password and Recipe reset)
- 2 s** Shows memory menu, only for units with firmware type 60 (“B” series) and 70 (“C” series)
- ↑ and ↓
1 time** Change panel ethernet settings (IP address, Subnet mask, Gateway), only for units with keyboard.
For panels with touchscreen this operation is done by touching on the IP address field on page.
The possibility to change the Ethernet settings is available starting from firmware version 5.30
- ↑ and ↓
2 times** Change panel GMT settings, only for units with keyboard.
For panels with touchscreen this operation is done by touching on GMT field on page.
The possibility to change the GMT settings is available starting from firmware version 5.30
- ↑ and ↓
3 times** Change panel DST settings, only for units with keyboard.
For panels with touchscreen this operation is done by touching on the DST field on page.
The possibility to change the DST settings is available starting from firmware version 5.30

1.2 Operation Mode/Page Mode

- ↑↓** scroll page up
scroll page down
- ←** Previous page
- next page
- ENTER 2 s** recall the Command Menu
- 0/INS** enter Data Entry Mode
- Ins** enter Data Entry Mode
- 9/PRN** print page/cancel print
- Prt Scr** print page/cancel print
- ENABLE 2 s** recall Direct Access Mode
- 6/ 0-III** recall Password Entry Mode
- 3/ ⌚** recall Date/Time Entry Mode

To recall the Configuration Mode for touchscreen units without any key, touch the screen in an area where no active touch areas have been defined and hold for 2 seconds. The value of 2 seconds can be changed with Designer.

1.3 Command Menu

- ↑** select up

↓	select down
←	select left
→	select right
ENTER	activate selection
CLEAR	return to Page Mode

1.4 System Menu

↑	select up
↓	select down
←	activate selection
→	activate selection
ENTER	return to Page Mode when EXT is selected

1.5 Data Entry Mode

When in Data Entry Mode the meaning of the keys changes depending on whether a field has been selected for Data Entry or not. A field is selected when The Data Entry procedure has been started on that field. If not field has already been selected for Data Entry, the key assignment is shown in the table below.

↑	move to field in previous row
↓	move to field in next row
←	Previous field
→	next field
Ins	next field
0÷9 . +/-	select field a numeric field for Data Entry and enter numeric value
ENTER	select a field for Data Entry
CLEAR	cancel entry and return to Page Mode

After a field has been selected for Data Entry, the keys are interpreted as follows.

↑	increment digit / scroll up ASCII / select message up
↓	increment digit / scroll down ASCII / select message down
←	move cursor left in ASCII field
→	move cursor right in ASCII field
0÷9 . +/-	numeric entry
ENTER	confirm entry and return to Page Mode
CLEAR	cancel entry and return to Page Mode

1.6 Alarm Mode

↑	Previous alarm in the list
↓	next alarm in the list
ENTER 2 s	acknowledge current alarm
CLEAR	return to page Mode
9/PRN	alarm list printout/cancel print
Prt Alm	alarm list printout/cancel print
Prt Scr	alarm list printout/cancel print

1.7 Event Mode

↑	scroll up
↓	scroll down
CLEAR	return to page Mode
9/PRN	event list printout/cancel print
Prt Alm	event list printout/cancel print
Prt Scr	event list printout/cancel print

1.8 Password Entry Mode

↑	increment digit
↓	decrement digit
←	next digit
0÷9	numeric password entry
ENTER	confirm password and return to Page Mode
CLEAR	cancel entry and return to Page Mode
ESC	end entry and return to Page Mode

1.9 Time and Date Set Mode

↑	increment field value
↓	decrement field value
ENTER	field select
CLEAR	return to Page Mode

1.10 Direct Page Selection Mode

←	decrement page
→	increment page
0÷9	page number entry
ENTER	confirm entry and go to selected page
CLEAR	cancel entry and return to Page Mode

2 Special Modes: Calibration, Configuration and Safe Mode

2.1 Touchscreen Calibration - "Go to Calibration Mode"

Touchscreen calibration may be required to restore proper operation of the touchscreen interface.

2.1.1 Standard Calibration

1. Recall Configuration Mode
2. Touch the CLEAR key on the screen until a small round symbol will appear on the top right corner of the screen
3. touch and hold the symbol until it will move to the low left corner of the screen
4. touch and hold the symbol until the indication to touch the ← key will be displayed on the screen
5. touch and hold the key ← until the indication to touch the ↓ key will be displayed on the screen
6. touch and hold the key ↓ until the indication to touch the Enter key will be displayed on the screen
7. touch and hold the Enter key until the panel will switch to Operation Mode (if a valid project is loaded in the memory)

2.1.2 Emergency Calibration

The Emergency calibration procedure should be used in all cases when it would result not possible to go to calibration using the standard procedure.

1. Switch of the unit
2. turn on the unit
3. tap in the middle of the touchscreen with a frequency of about one second until the operator panel will enter the Calibration Mode
4. perform the standard calibration procedure.

2.2 "Go to Configuration Mode"

In the case it might prove impossible to switch the operator panel to Configuration Mode due to problems in the start-up phase, follow the procedure below:

2.2.1 HMI Units with Touch Screen

1. Switch off the unit
2. Touch in the middle of the left side of the display screen with the left hand
3. Switch on the operator panel and tap with the right hand in the middle of the right side of the display screen with a period of about one second.
4. Continue until the screen will show Configuration Mode

2.2.2 HMI Units with Keyboard

In the case it might be impossible to switch the operator panel to Configuration Mode due to problems in the start-up phase, follow the procedure described below:

1. Switch off the unit
2. Press and hold any 3 keys
3. Turn on the unit and hold the keys pressed until Configuration Mode will be shown on the screen.

2.3 Safe Mode

UniOP “safe” mode allows some specific and special operation to be done on the unit.

Under some circumstances “safe” mode is required to reset the panel contrast adjustment parameters. The UniOP safe mode activation is similar to the emergency procedure that activates Configuration Mode at start-up.

2.3.1 HMI Units with Touchscreen

Divide the screen in two parts with a horizontal imaginary line; during power up phase press and hold one finger on the upper part and tap-tap quickly in the bottom part.

2.3.2 HMI Units with Keyboard

During the power up phase, press and hold any 4 keys at the same time

When the special sequence has been accepted, the panel will start with display completely black and the red LED in the upper left corner steady on.

The panel can now be turned off and back on. This procedure will reset the contrast calibration parameters to the default value.

3 Dedicated LED Indicators

The table below shows the name and the symbol (when available) of the LED indicators dedicated to special functions. Please note that some indicators may be available only in some models of UniOP operator panels.






LED Indicator		Status	Meaning
Name/symbol	Color		
FAULT/FLT	red	OFF	No hardware problem detected; battery OK
		BLINK	Battery low
		ON	Hardware fault
DL	green	OFF	No keys are pressed and no errors
		BLINK	Communication error (not all models)
		ON	While any key is pressed (visual feedback)
	red	OFF	No hardware problem detected; battery OK
		BLINK	Battery low
		ON	Hardware fault
	green	OFF	No keys are pressed and no errors
		BLINK	Communication error (not all models)
		ON	While any key is pressed (visual feedback)
	red	OFF	No hardware problem detected
		BLINK	Battery low
		ON	Hardware fault
	green	OFF	No keys are pressed
		ON	While any key is pressed (visual feedback)
RUN / 	green	OFF	Hardware fault
		ON	Unit in operation
COM / 	green	BLINK	Communication error
		ON	Communication OK
ALARM / 	red	OFF	No alarms
		BLINK	Alarm requires acknowledgment
		ON	Alarm active

Table 2 - Dedicated LED indicators