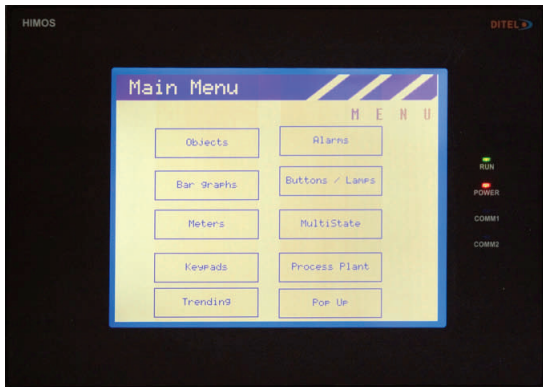


# HIMOS SERIES / HI570



## OPERATION

The Microsoft Windows® based configuration software, *HIMOSOFT*, helps user to configure HIMOS unit. 'Configuration' means making the HIMOS unit work as per the system requirements. For example, HIMOS can be configured to be used with any PLC, display any register data, perform any controlling action depending on optional digital or analog inputs.

HIMOS Keys can be configured to realize different tasks as for example execution of a ladder program, activate/deactivate coils or outputs, operations between registers control of a process changing value of a PLC registers.

Alarms can be defined to constantly monitor any register. When alarm condition is reached, the respective alarm is displayed in alarm window.

Screens can be controlled by any system register or PLC register. Real Time Clock can be modified during normal operation. Tasks can be defined to realize these operations.

HI570 has Data Logging capacity, and like all HIMOS models also features Real Time and Historical Trending

	HI570
DISPLAY	STN CCFL QVGA 16 Grey Scales
RESOLUTION	320 * 240 pixels
SCREEN SIZE	5.7"
TOUCH SCREEN	Analogue Resistive
POWER SUPPLY	24 V DC
DIMENSIONS	197 x 139 x 58 mm

## DESCRIPTION

HIMOS HI570 operator interface provides man-machine interface for PLCs / Inverters. The user can implement PLC logic using standard ladder logic programming. The HIMOS unit has four high speed counters (25 kHz each), hundreds of timers and counters, thousands of internal coils, retentive and non retentive memory registers and PID functionality.

Can communicate with PLCs using its serial communication ports to fetch the information requested by the operator.

This information can be either the value of a PLC register or the status of an I/O, or whatever other PLC parameter available.

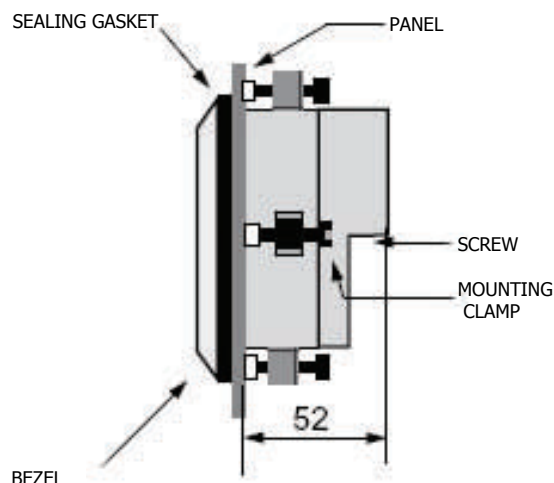
This information can be displayed on HI570 screen, and if required, the HMI can also modify the value of these PLC registers or parameters.

It is also possible to provide the HMI with I/O, either analogue or digital, thanks to remote I/O modules available for the HIMOS Series.

HI570 has 2 serial communication ports. Direct connection to Modbus RTU protocol and other opened protocols and to most of PLCs. They can communicate with two different PLCs simultaneously.

PLC task can be executed on power up, during continuous scanning, when a specific screen is showing, or when a specific wizard event occurs. Allows local or global assignation of keys to macros for key processes. Development tool *HIMOSOFT*, valid for all the HIMOS Series, is available (free download) on our website [www.ditel.es](http://www.ditel.es).

## MOUNTING



PANEL CUTOUT: 184X 126 mm ±0.5 mm

# HIMOS SERIES / HI570

## GENERAL TECHNICAL CHARACTERISTICS

POWER SUPPLY	
Voltage Rating	24 V DC $\pm$ 10%
Power Rating	10 W Max.
MEMORY	
Total Memory	4 Mb
Application Memory	3264 Kb
Ladder Memory	128 Kb
Data Registers	1000
Retentive Registers	1400
System Registers	64
System Coils	100
Internal Coils	5000
Input Coils	100
Output Coils	100
Internal Registers	313
Input Registers	7
Output Registers	7
Timer Registers	128
Counter Registers	178
DISPLAY	
Type	STN CCFL QVGA 16 Grey Scales
Resolution	320 * 240 pixels
Screen size	5.7"
Touch Screen	Analog Resistive
COMMUNICATION	
Number of Ports	2
Type	RS232/RS485/RS422/CMOS

MISCELLANEOUS	
Battery	Coin Type, 3v Lithium 614-CR-1225FH
Battery Backup	Min. 5 years for RTC and System Data
Operating Temperature	0° a 50 °C
Storage Temperature	-25° a 80 °C
Mounting Method	Panel Mounting
Clock (RTC)	Real Time Function (Date & Time)
Humidity	10% to 90% (Non condensed)
Immunity to ESD	Level 3 (IEC1000-4-2)
Immunity to transients	Level 3 (IEC1000-4-4)
Immunity to Radiated RF	Level 3 (IEC1000-4-3)
Immunity to conducted RF	Level 3 (IEC1000-4-6)
Emission	EN55011 CISPR-A
Front Panel Protection	IP65



### Diseños y Tecnología S.A.

C/ Xarol 8-C P.I. Les Guixeres  
08915 Badalona - Spain

Tel. +34 933 394 758 / Fax. +34 934 903 145

Email: [dtl@ditel.es](mailto:dtl@ditel.es)

Web: [www.ditel.es](http://www.ditel.es)