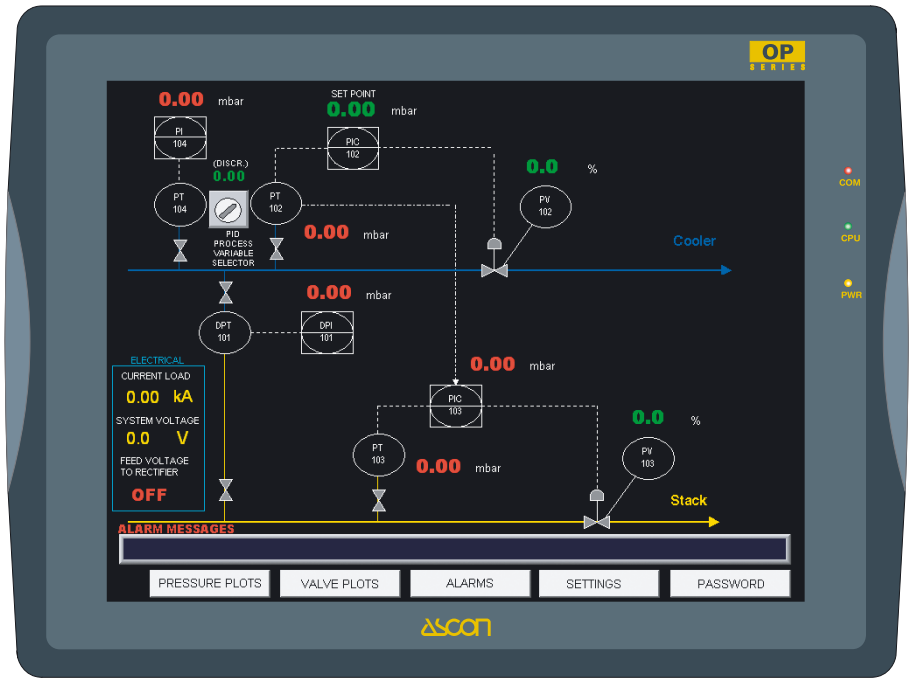
OP SERIES

Industrial Operator Panel with 12.1" touch screen colour graphic display **OP MT** line **8121T** model

- 12.1" colour graphic display
- 65536 colour TFT LCD display
- Fan-less cooling system
- CPU 32 Bit RISC processor
- Built in Real Time Clock (RTC)
- Cold Cathode Fluorescent Lamp (CCFL) backlight
- Full SVGA (800 x 600 pixels) resolution
- 4 wires analog resistive touch screen
- Connection to industrial bus systems (more than 65 drivers)
- 64 MB DRAM user memory, 32 MB flash memory on board
- NEMA4 / IP65 front panel protection
- Programmable with Easy Builder 8000 software
- Display data in alphanumeric and graphic formats
- Dynamic graphic objects (bargraphs, gauges, XY plot, etc..)
- Data acquisition and trend presentation
- Recipes management and storage
- Alarms and historical alarm list
- Up to 7 levels of password protection
- CE / UL / RoHS certifications



E

ISO 9001 Certified

ASCON spa
Via Falzarego, 9/11 - 20021 Baranzate - (Milano) Italy - Tel. +39 02 333 371; Fax +39 02 350 4243
http://www.ascon.it - e-mail: sales@ascon.it

ASCON Corporation
Tel.: +1 630 482 2950; Fax: +1 630 482 2956
http://www.asconcorp.com
e-mail: info@asconcorp.com

ASCON France
Tél.: +33 (0) 1 64 30 62 62; Fax: +33 (0) 1 64 30 84 98
http://www.ascon.fr
e-mail: ascon.france@ascon.fr

Technical data

Display	
Type	65536 colour TFT
Graphic resolution	Full SVGA, 640 x 480 pixels
Active display area	12.1" diagonal
Backlight	CCFL
Brightness	300 cd/m^2
Contrast ratio	200 : 1
Backlight life time	50000 hours

Memory	
User memory	64 MB on board
Storage memory	32 MB Flash on board
Memory expansion	1 CompactFlash ™ card slot

Interfaces	
Com1 port	RS232/RS485, 2 or 4 wires
Com2 port	RS232
Com3 port	RS232/RS485, 2 wires
Ethernet port	10/100 Base-T
USB port	3 USB 2.0 ports
Sound port	20 bits stereo output

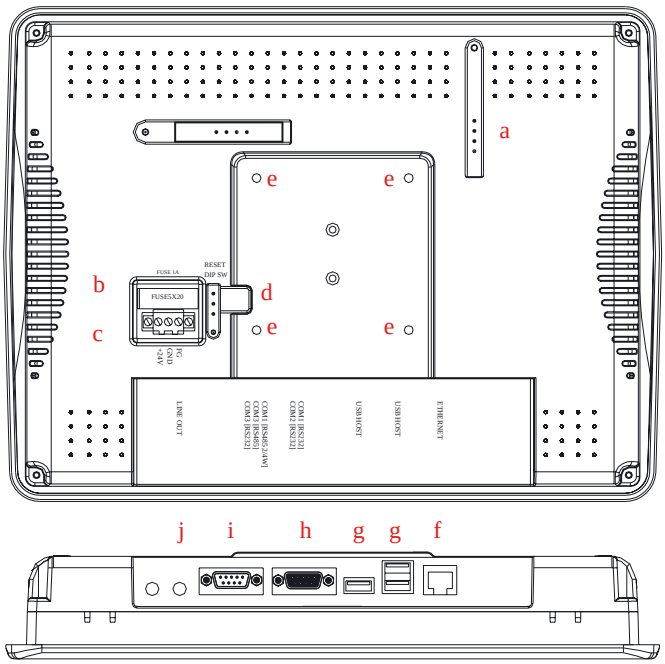
Functionality	
Data acquisition and trends	Standard
Recipe memory	128 kB
Alarms	1024
Event list	1024
Password	Standard, 7 levels
Hardware RTC	Standard, battery backed-up
Screen saver	Standard
Buzzer	Standard (audible feedback for touch screen)
Power supply voltage	24 Vdc ±5% (polarity sensitive)
Max. power consumption	~ 500 mA
Fuse	1 A
Weight	~ 2.1 kg (4.63 lb)
Operating temperature	0...45 °C (32...11°F)
Operating and storage humidity	10...90 % RH non-condensing
Protection class	NEMA4 / IP65 (front panel)

Product designed for installation in an industrial environment
in compliance with the following regulations:

Radiation emissions	EN 55011 (group 1 , class A)
Generic emissions	EN 50081-2
Noise immunity	EN 50082-2

Connections/Dimensions

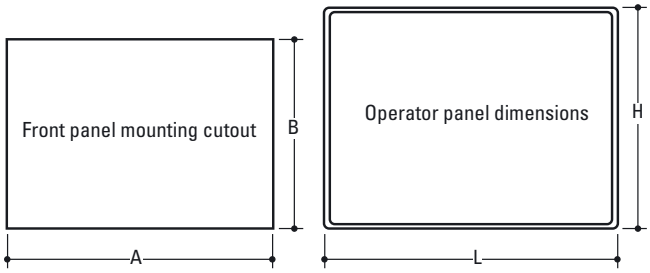
Connections



a. CompactFlash™ slot
b. Fuse
c. Power terminals
d. DIP Switches/Reset button
e. VESA 75mm screw holes
f. Ethernet port 10/100T
g. USB host
h. Com1 [RS-232]
   Com2 [RS-232]
i. Com1 [RS-485] 2/4 wires
   Com3 [RS-232/RS-485]
j. Sound output

Cutout and front view

Panel dimensions L x H	322 x 243 mm	12.69 x 9.02"
Cutout A x B	305 x 231 mm	12.01 x 9.09 in"
Cutout depth (type - 0045)	51 mm	1.99"
Max. panel thickness	5 mm	0.2"



Ordering code

Model: OP M T - 8 1 2 1 - T

Series
Line
Model

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