OP
SERIES

Industrial Operator Panel
With 4.3” touch screen
Color graphic display
OP MT line 0504TV line

- 4.3” color graphic display
- 256 colors TFT LCD display
- CPU 32 Bit RISC processor
- LED backlight
- 480 x 272 pixels resolution
- 4 wires analog resistive touch screen
- Connection to industrial bus systems (more than 65 drivers)
- 4 MB DRAM user memory, 2 MB flash memory on board
- NEMA4 / IP65 front panel protection
- Programmable with Easy Builder 500 software
- Display data in alphanumeric and graphic formats
- Dynamic graphic objects (bargraphs, gauges, XY plot, etc..)
- Data acquisition and trend presentation
- Alarms and historical alarm list
- Up to 7 levels of password protection
- CE certification



CE

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ISO 9001 Certified

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Technical data

Display	
Type	256 color TFT
Graphic resolution	480 x 272 pixels
Active display area	4.3” diagonal
Backlight	LED
Brightness	300 cd/m²
Contrast ratio	400 : 1
Backlight life time	80,000 hours

Memory	
User memory	4 MB DRAM on board
Storage memory	2 MB flash on board
Expansion	None

Interfaces	
Com1 port	RS-232/RS-422/RS-485
Com2 port	None
Com3 port	None
Ethernet port	None
USB port	None
Audio port	None

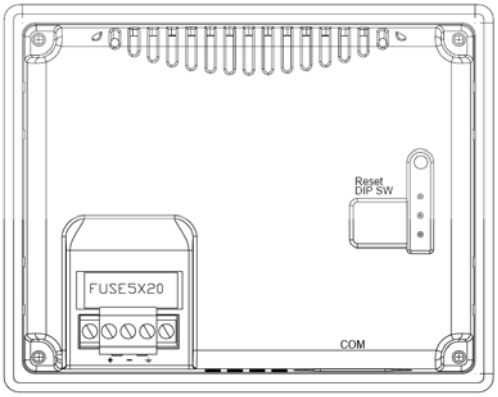
Functionalities	
Data acquisition and trends	Standard
Recipes memory	None
Alarms	1024
Event list	1024
Password	Standard, 7 levels
Hardware RTC	None
Screen saver	Standard
Buzzer	Feedback for touch screen
Power supply	12 ~ 24 Vdc ± 5%
Max power consumption	~ 300 mA@ 12 Vdc ~ 150 mA@ 24 Vdc
Fuse	1 A
Weight	~ 0.3 Kg (0.66 lbs)
Operating temperature	0…45 °C (32…113 °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	complies with FCC class A
Generic emissions	EN 50081-2
Noise immunity	EN 50082-2

Connections / Dimensions

Connections



Pin #	Id	RS-422	RS-485	RS-232	PROG
1	RX -	RX -	DATA +		
2	RX +	RX +	DATA -		
3	TX -	TX -			
4	TX +	TX +			
5	GND	Signal Ground			
6	TX D			TX	
7	TX D				TX
8	RX D				RX
9	RX D			RX	

Cutout and front view	
Panel dimension L x H	128 x 102 mm (5.04 x 4.02 in)
Cutout A x B	119 x 93 mm (4.69 x 3.66 in)
Cutout depth (type – 0045)	38 mm (1.50 in)

Ordering code

Model: **OP – M T - 0 5 0 4 – T V – 4 6**

Series
Line
Model