

TOSHIBA

Leading Innovation >>>

Automation and Industrial Process control

OIS42 PLUS

Economical, Compact Touch Screen with PLC & I/O

The OIS42 PLUS is a 3" multicolor backlit touchscreen ideal for compact installations where cost is a primary consideration. A RS232/485 port allows connection to other industrial devices. Toshiba ASD (adjustable speed drive) protocol is built-in, so is the protocol for connecting to all of Toshiba's PLCs. In addition, the OIS42 PLUS can be a Modbus RTU master or slave.



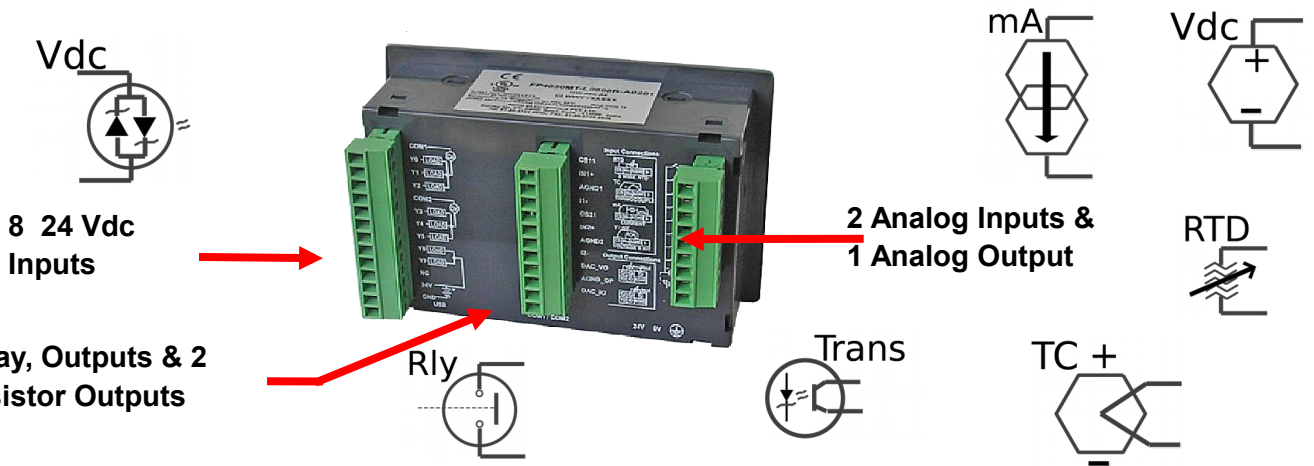
3" Multicolor backlit Touchscreen.
Screens can be Red, Green, Blue or any combination of the 2 or 3 colors



Screen color can be determined by the status of the connected devices



Only 4.3" x 2.8"



◆ Built-in ladder logic editor for creating interlocks and permissives. The ladder logic editor and the screens share the same tag data base.

◆ English (or selected language) description of cryptic trip & alarm codes from ASDs and other devices.

Operator Display

Item	Specification	Item	Specification
Display:	3.1" Multicolor Backlit LCD	I/O Digital Inputs	8 24 Vdc, bidirectional
	Touchscreen	Digital Outputs	6 Relay, 2 24 Vdc PNP Trans.
Comm Ports-Serial:	1 RS232/RS485	Analog Inputs	2, 16 bit, 0-5 Vdc, 0-10 Vdc, 0/4-20 mA
-Ethernet	None		
-USB	1 Device		
Clock-Calendar	Yr/Mo/Day/Hr/Min/Sec	Analog Output	1, 12 bit, 0-10 Vdc, 0/4 -20 mA
Power Supply	24 Vdc, ±15%	Memory-Total	1 Mb
Power Consumption	10 W	-Screen	312 Kb
Panel Cutout	W=99 mm, H=63 mm	-Data Log	None
Weight:	300 g	PLC Steps	24 K

Digital inputs can be configured as 4 high speed inputs. Maximum input frequency = 100 Khz, maximum count = 4294967295. The outputs can be configured as 2 high speed outputs. Maximum output frequency = 100 Khz.

PLC

Item	Specification	Item	Specification
Control Method	Stored program, cyclic scan	User Data -/O Reg	X/XW, Y/YW 6400 pts/400 regs
Scan System	Floating scan	-Auxillary Reg	B/BW 4096 pts/256 regs
I/O Update	Batch I/O refresh (direct I/O possible)	-Special Reg	S/SW 4096 pts/256 regs
Program memory	Program stored in flash memory	-Data Reg	D 4096 regs
Program capacity	8 K steps	-Counters	C./C 256 regs
Program Language	Ladder diagram	-Timers	T./T 61 @0.01 sec, 130 @ 0.1 sec 64 @ 1 sec.
Instructions	Basic: 20 Function: 96	-Index Reg	I./J/K 3 regs total
Program Types	1 Main program	Execution Time	1.03µs/contact, 2µs/coil
	1 Initialize program		2.32µs/16 bit transfer,
	1 Timer interrupt program		3 µs/16 bit addition
	2 I/O Interrupt programs		
	256 Subroutine programs		

Order Number

- [OIS42L PLUS](#) 3" Monochrome Back lit Tri-Color LCD Touchscreen, 24 Vdc PS, Requires OIL-DS setup software.
- [OIS42U PLUS](#) Same as above, has thermocouple and RTD inputs.

- Notes: 1. Use standard mini USB cable for programming and monitoring.
2. Custom cables are available for connection to most Toshiba ASDs.

PLCs ADJUSTABLE SPEED DRIVES MOTORS CONTROLS UPS INSTRUMENTATION

TOSHIBA

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!Hablamos Español!