PLC / HMI

Selec®
Creating Best Value

Economic Expandable PLC
- 8DI, 5DO Relay
- RS485 based communication

Economic Fixed I/Os PLC
- 6DI, 4DO & 1 Temperature Input -TC/RTD
- Configurable LED display
- RS485 based communication

Flexys Panel TX4

Flexys Rail
- Modular I/O cards
- Expandable

Graphical PLC
3.5" TFT touch screen •
Up to 30 I/Os with card selection •
Flexible swapping of I/O cards •
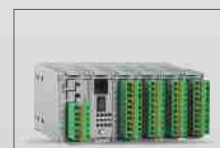RS485 based communication •

Other PLCs:

| Fixed I/Os LED PLC | Fixed I/Os LCD PLC | Expandable PLC | Flexible I/Os - Panel | Flexible I/Os - Rail | Touchscreen HMI |

Other Product Ranges:
METERS | PROTECTION RELAYS | TEMPERATURE CONTROLLERS | TIMERS | COUNTERS | CT'S

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Specifications overleaf...

Technical Specification

DESCRIPTION	DIGIX	TWIX	FLEXYS GT35	FLEXYS PANEL TX4	FLEXYS RAIL
Functions	- Compact PLC with built in HMI - 2 line 8 character LCD - 8 DI, 5DO relay - RS485 based communication with MODBUS protocol - Windows based user friendly software for ladder programming & HMI configuration	- Compact PLC with built in HMI - Configurable LED display - 6DI, 4DO & 1 Temperature Input TC/RTD - RS485 based communication with MODBUS RTU Protocol - Windows based user friendly software for ladder programming & HMI configuration	- 3.5" LCD with touch - Compact PLC with built in HMI - Flexible card selection - RTC with Time Switch function - RS485 based communication with MODBUS protocol - Windows based user friendly software for ladder programming and HMI configuration	- Flexible card selection - Compact PLC with built in HMI - 4 line x 16 characters LCD display - Windows based user friendly software for ladder programming & HMI configuration - RTC with Time Switch function - RS485 based Communication with MODBUS RTU Protocol (Optional) - Expandable via IO Expansion	- Flexible card selection - Windows based user friendly Software for ladder programming - RTC with Time Switch function - RS485 based Communication with MODBUS RTU Protocol (Optional) - Expandable via IO Expansion
User Interface	2 line X 8 characters LCD (Green backlight) + 5 keys	7 segment LED (8 Red)+ (6 Green) digits, 4 Red LED's, 4 Green LED's + 5 keys	3.5" TFT touch screen + 5 functions keys + 1 system key	LCD (Backlight) 4 line x 16 Character + 18 keys	12 LEDs to indicate card status for selectable slot, One 7 segment display to indicate slot no, Card failure indicated by blinking display
Digital Input	8 PNP 5-30V DC	6 PNP 5-30V DC	10 DI PNP per card, 6-30V DC	10 DI PNP per card, 6-30V DC	10 DI PNP per card, 6-30V DC
Fast Counter Input	——	1 ch. Upto 5 kHz (Please refer datasheet)	2 ch. Upto 5 kHz. (Please refer datasheet)	2 ch. Upto 5 kHz. (Please refer datasheet)	2 ch. Upto 5 kHz. (Please refer datasheet)
Analog Input	——	1 channel (TC/RTD)	4 TC/RTD, 6AI V/I & 4 load cell per card	4 TC/RTD, 6AI V/I & 4 load cell per card	4 TC/RTD, 6AI V/I & 4 load cell per card
Digital Output	5 (Relay, 5A resistive @240V AC)	4 (Relay, 5A resistive @240V AC)	8 (Relay, 5A resistive@28V DC) per card 8 (Transistor, 100mA@24V DC) per card	8 (Relay, 5A resistive@28V DC) per card 8 (Transistor, 100mA@24V DC) per card	8 (Relay, 5A resistive@28V DC) per card 8 (Transistor, 100mA@24V DC) per card
Communication Interface	RS485 (Slave)	RS485 (Slave)	RS485 (Slave)	RS485 (Slave)	RS485 (Slave)
Communication Protocol	MODBUS RTU	MODBUS RTU	MODBUS RTU	MODBUS RTU	MODBUS RTU
Real-time clock (RTC)	Optional	——	Yes	Yes	Yes
Mounting	Din Rail Mount	Panel Mount	Panel Mount	Panel Mount	Din Rail Mount
Dimension	70 X 90 mm	48 x 96 mm	96 x 96 mm	96 x 96 mm	140 x 93.4 mm
Order Code	Digix-1-230V	TWIX-1-230V	FL-GT35-LG-1-0-1, FL-GT35-DSP	FL-TX4-DI04-PS-230V (230V AC Power supply card) FL-TX4-DI04-PS-24V (24V DC Power supply card) FL-TX4-LG-1-1-1	FL-RL-DI04-PS-24V FL-RL-LG-1-1-1 FL-RL-BS-6
Supply Voltage	230V AC (180-270V AC)	230V AC (180-270V AC)	230V AC (180-270V AC)	1: 230V AC (90-270V) 2: 24V DC (18-26V)	24V DC (18-26V)
Accessories (To be ordered separately)					
Downloading Cable	AC-USB-RS485-03	AC-USB-RS485-03	AC-USB-RS485-03	AC-USB-RS485-03	AC-USB-RS485-03
Converter	——	——	AC-RS485-RS232-01 (Non Isolated)	AC-RS485-RS232-01 (Non Isolated)	AC-RS485-RS232-01 (Non Isolated)
Converter	——	——	AC-RS485-RS232-ISO (Isolated)	AC-RS485-RS232-ISO (Isolated)	AC-RS485-RS232-ISO (Isolated)
Expansion Cable	——	——	ACH-004	ACH-004	ACH-004
Communication Cable	——	——	AC-USB-RS485-02*	AC-USB-RS485-02*	AC-USB-RS485-02*
Expansion Adaptor	——	——	AC-IOEXP-02	AC-IOEXP-02	AC-IOEXP-02

* This cable is to be ordered along with AC-IOEXP-02 & ACH-004