# Flexys : Flexible Automation Solution

## Modular, Compact, Powerful and Expandable PLC, PLC + HMI Solutions

SELEC *Flexys Panel GT35*

SELEC *Flexys Panel TX4*

```
RAMPT:0
AO1:0.0
AO2:0.0
DLY:5
```

SELEC *Flexys Panel GM35*

```
X=3,54   Y=2,11  CNT=428
START
MODE
AUTO MAN
```
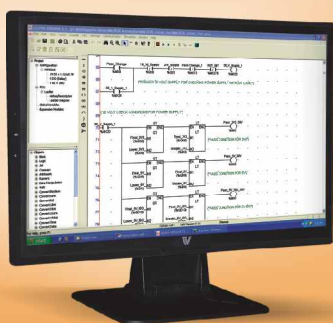
## SELPRO - Windows based ladder programming software

**User friendly WINDOWS based SELPRO software for configuration as per IEC61131-3**

- Built-In interface for configuration of HMI
- Selective 8, 16, 32 bit data type support for variables
- Exhaustive function and function block library with simulation

**www.selec.com**

PRELIMINARY DATASHEET

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| DESCRIPTION | FLEXYS PANEL TX4 | FLEXYS RAIL | FLEXYS PANEL GT35 | FLEXYS PANEL GM35 |
|---|---|---|---|---|
| Functions | • Flexible card selection<br>• Compact PLC with built-in HMI<br>• 4 line x 16 characters LCD display<br>• Windows based user friendly software for ladder<br>• programming and HMI configuration<br>• RTC with Time Switch function<br>• RS 485 based communication with MODBUS Protocol<br>• Expandable via IO Expansions | • Flexible card selection<br>• Windows based user friendly software for ladder<br>• Programming<br>• RTC with Time Switch function<br>• RS 485 based communication with MODBUS Protocol<br>• Expandable via IO expansions | 3.5" LCD colour display | 3.5" LCD monochrome display |
| Functions | | | • Flexible card selection<br>• Compact PLC with built-in HMI<br>• Windows based user friendly software for ladder<br>• programming and HMI configuration<br>• RTC with Time Switch function<br>• RS 485 based communication with MODBUS Protocol<br>• Expandable via IO Expansions | |
| User Interface | LCD (Backlight) 4 line x 16 Character + 18 keys | LED to indicate IO status for selectable module ID<br>7 segment display for Module ID No. | 3.5 LCD colour touch display with 320x240 resolution+6 keys | 3.5 LCD monochrome display with 128x64 resolution+6 keys |
| Communication Interface | 1: RS485 Slave (For Downloading Ladder Program)<br>2: RS485 Master, 3: IO630 Expansion | | | |
| Communication Protocol | Modbus RTU & Proprietary Protocol | | | |
| Real-time clock (RTC) | Yes (with 10 years battery life from date of manufacture) | | | |
| Mounting | Panel Mount | Din Rail Mount | Panel Mount | |
| Supply Voltage | 90 to 270V AC | 24VDC (Tolerance -25 to +20% ) | 90 to 270V AC | |
| Size (Bezel/Cutout)/Dimensions | 96mm x 96mm | 72mm x 140mm | 96mm x 96mm | |
| Order Code | FL - TX4 - PS - 230V<br>FL - TX4 - LG - 0 - 0 - 0 | FL - RL - PS - 24V<br>FL - RL - LG - 1 - 1 - 1 | FL - GM35 - 230V<br>FL - GT35 - 230V | |
| I/O Cards (for all above model) | | | | |
| Digital Input | 10 PNP – 10 to 30V DC | | | |
| Fast Counter Input | 2 channel (Unidirectional, Bidirectional, Quadrature, Dual Unidirectional) : 7khz | | | |
| Analog Input | 4 Channel (Thermocouple / 0-60 mV) / 3 Channel (RTD Type) / 5 Channel ( 0-10V ) / 5 Channel ( 0-20 mA) | | | |
| Digital Output | 8 Nos. ( Relay , 5A Resistive@230VAC ) / 8 Nos. (Transistor , PNP , 18 to 30V DC) | | | |
| Analog Output | 4 Channel ( 0-10V / 0-20mA) | | | |



Flexys Panel (Back)



I/O Cards

| Slot Cards | Order Code |
|---|---|
| 10 Digital Input | SC-DI-10 |
| 8 Digital Output (Relay type) | SC-RO-08 |
| 8 Digital Output (Transistor type) | SC-TO-08 |
| 5 Analog Input (0 to 10V) | SC-AI-05-V |
| 5 Analog Input (0 to 20mA) | SC-AI-05-I |
| 4 Analog Input (TC/0 to 60mV) | SC-AI-04-TC |
| 3 Analog Input (RTD) | SC-AI-03-RTD |
| 4 Analog Output (0 to 10V) | SC-AO-04-V |
| 4 Analog Output (0 to 20mA) | SC-AO-04-I |

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