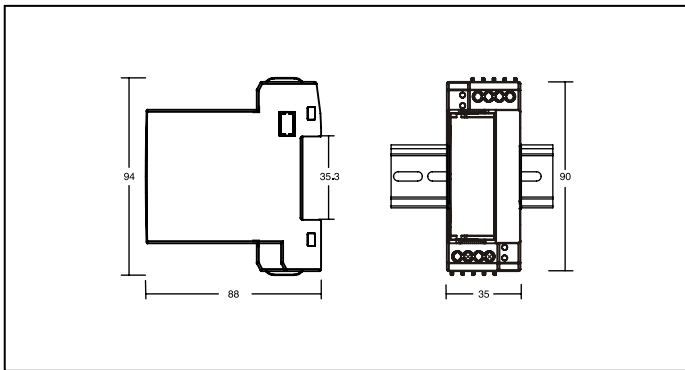




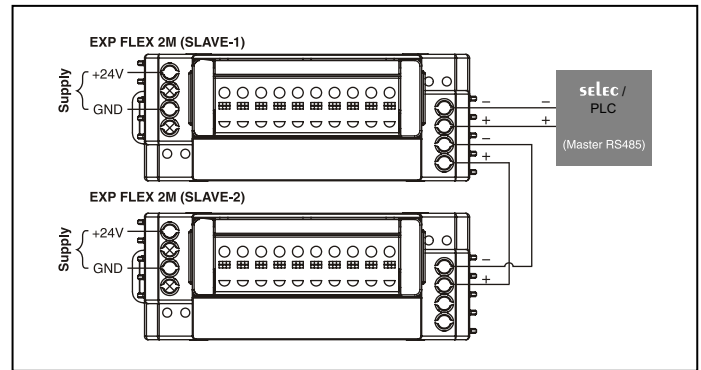
Channel-to-Channel Isolation	Yes for Differential Input
Reverse Polarity Protection	TC - YES, RTD - N/A, 0-10V - YES, 0-20mA - YES, NTC - YES
Input Impedance	TC - 330k $\Omega$ , RTD - 510k $\Omega$ , 0-10V - 330k $\Omega$ , 0-20mA - 100 $\Omega$ , NTC - NA
<b>Relay Output</b>	
No. of Outputs	As per Card Configurations: 4 / 8 (NO) type Relay, 1 Common Lines for 4 Relay
Contact Rating	5A @ 250V AC (resistive load), 5A @ 30V DC (resistive load)
Relay Type	SPST
Isolation (CPU $\leftrightarrow$ Output)	2.5kV
Isolation (Output $\leftrightarrow$ Output)	NO
Polarity Inversion Protection	Yes
Response Time	20ms
Mechanical Life	5 Million Operations
<b>Transistorized Output</b>	
No. of Outputs	As per Card Configurations: 8 Transistorized
Output Rating	100mA @ 24V DC (current sourcing output), 18-30V DC (External Supply)
Output type	PNP (Source)
Short Circuit Protection	Yes
Isolation (CPU $\leftrightarrow$ Output)	2.5kV
Isolation (Output $\leftrightarrow$ Output)	NO
Polarity Inversion Protection	Yes
Response Time	10ms
Nominal Load	240 $\Omega$ (likely referring to the typical load resistance)
Breaking Current	110mA (maximum current that can be interrupted)
<b>Analog Output</b>	
No. of Channels	As per Card Configurations: 1 / 2 / 4
Output Range	0-10V DC / 0-20mA DC
Resolution	12 Bits
Load Limit	0-10V DC $\geq$ 1 k $\Omega$ , 0-20mA < 700 $\Omega$
Digital Resolution	0.0-100.0% = 0-10.000V DC, 0.0-100.0% = 0-20.000mA
Conversion Time	100ms
Isolation (CPU $\leftrightarrow$ Output)	Yes
Isolation (Output $\leftrightarrow$ Output)	NO
Output Error @25 $^{\circ}$ C	$\pm$ 0.25% of Full Scale
Linearity	0.10%
<b>Timer and Counter</b>	
Timer Operational Modes	Response time ranges from 100 ms to 2 seconds, depending on the number of devices and I/O card type.
Counter Modes	-
Other Functional Blocks	-
Memory Retention	-
Real-Time Clock (RTC)	-
Clock drift	-
<b>Communication</b>	
Communication Port	RS485 [Slave]
Communication Protocol	MODBUS RTU
Connector	Screw Terminal
Transmission Mode	Half Duplex
Transmission Speed	19200 or 115200 bps (user configurable via Dip switch , default: 19200)
Data Bits	8
Parity	None
Stop Bits	1

Operating Temp	0°C to 55°C
Storage Temp	-20°C to 70°C
Humidity	10% to 95% RH (Non-condensing)
Atmosphere	Must be free from Corrosive Gases
IP rating	Terminal - IP 20
Weight	87.1 grams
Mounting	Din rail
Dimensions in mm (WHD)	35 x 90 x 90
Supply Voltage	18-30V DC
Inrush Current	2.3A
Power Consumption	2.5W
Polarity Inversion Protection	YES
Isolation (Power ↔ Communication)	YES
Source Supply Output	NA

### Dimensions (All are in mm)



### Terminal Connection























### Ordering information

Product code	Description	Certification
EXP FLEX 2M	Expansion slot - Flexys IO cards	RoHS
EXP FLEX 2M V3	Independent Remote IO base card	RoHS

### Accessories (To Be Ordered Separately)

Product Code	Description
<b>Power Supplies</b>	
RPS60-24-CE	60W, 24V/2.5A DIN rail mounted power supply in plastic housing - CE Certified
<b>Software - <a href="http://www.selec.com/software">www.selec.com/software</a></b>	
Selpro	Windows-based software for ladder logic and built-in HMI programming
USB to Serial Driver	USB to Serial cable drivers
EXP FLEX 2M V3 Utility	Windows-based software for configuring EXP FLEX 2M V3 modules

## Supported I/O cards

<b>FL-SC-DI10-CE-RoHS</b>	Flexys IO – 10 Digital Input Card	 RoHS
<b>FL-SC-DI14-CE-RoHS</b>	Flexys IO – 14 Digital Input Card	 RoHS
<b>FL-SC-TO08-CE-RoHS</b>	Flexys IO – 8 Channel Transistor Output Card	 RoHS
<b>FL-SC-RO08-CE-RoHS</b>	Flexys IO – 8 Channel Relay Output Card	 RoHS
<b>FL-SC-DI04-RO04-CE-RoHS</b>	Flexys IO – 4 Digital Input & 4 Digital Output Card	 RoHS
<b>FL-SC-AI04-U</b>	Flexys IO – 4 Channel Analog Input Card – Universal (Jumper Selectable)	 in process
<b>FL-SC-AI06-V-CE-RoHS</b>	Flexys IO – 6 Channel Analog Input Card – Voltage	 RoHS
<b>FL-SC-AI06-I-CE-RoHS</b>	Flexys IO – 6 Channel Analog Input Card – Current	 RoHS
<b>FL-SC-AI06-V/I</b>	Flexys IO – 6 Channel Analog Input Card – Voltage/Current	 RoHS
<b>FL-SC-AI06-V/I-ISO</b>	Flexys IO – 6 Channel Analog Input Card – Voltage/Current (Isolated)	 RoHS
<b>FL-SC-AI04-TC-CE-RoHS</b>	Flexys IO – 4 Channel Analog Input Card – Thermocouple	 RoHS
<b>FL-SC-AIDF05-TC-CE-RoHS</b>	Flexys IO – 5 Channel Differential Analog Input Card – Thermocouple	 in process
<b>FL-SC-AIDF05-TC-ISO-CE-RoHS</b>	Flexys IO – 5 Channel Differential Analog Input Card – Thermocouple (Isolated)	 in process
<b>FL-SC-AI04-RTD-CE-RoHS</b>	Flexys IO – 4 Channel Analog Input Card – RTD (PT-100)	 RoHS
<b>FL-SC-AI01-AO01-V/I</b>	Flexys IO – 1 Channel Analog Inputs, 1 Channel Analog Output (Voltage/Current)	 in process
<b>FL-SC-AI03-U-AO02-U</b>	Flexys IO – 3 Channel Analog Input – Universal, 2 Channel Analog Output – Universal Card (Jumper Selection)	 in process
<b>FL-SC-AI03-NTC-AI03-I</b>	Flexys IO – 3 Channel Analog Inputs – NTC, 3 Channel Analog Inputs – Current Card	 RoHS
<b>FL-SC-AO04-V-CE-RoHS</b>	Flexys IO – 4 Channel Analog Output Card – Voltage	 RoHS
<b>FL-SC-AO04-I-CE-RoHS</b>	Flexys IO – 4 Channel Analog Output Card – Current	 RoHS
<b>FL-SC-LC04</b>	Flexys IO – 4 Channel Loadcell Input Card (24 bits)	 in process

Refer to the IO card and base module compatibility guidelines to ensure effective and valid IO card combinations.