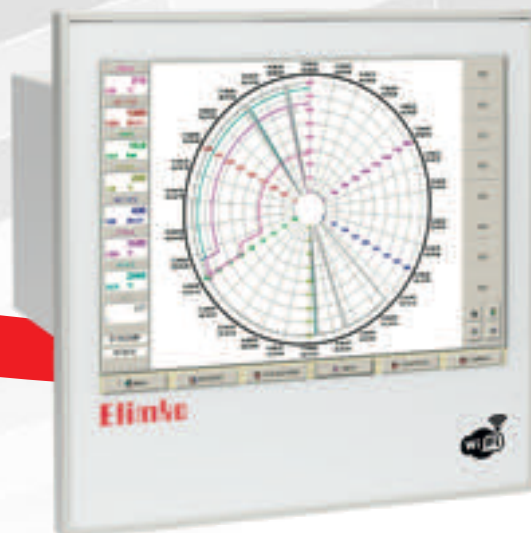


## E-PR-200 SERIES PAPERLESS RECORDERS & CONTROLLERS



### DESCRIPTION

E-PR-200 series paperless recorders and controllers are the touch screen paperless recorders with 54 configurable universal inputs, 18 relay outputs, 144 digital inputs / outputs and all of which are designed in user friendly plugable form. E-PR-200 series paperless recorders are used at different fields of industry such as iron and steel, power plants, chemical and petro chemical refineries, glass, food, cement and others to record and data storage application of temperature, pressure, level, flow, current, voltage and others.

E-PR-200 series are multifunctional recorders with RS485 and ethernet communication parts, USB port and 8 GB internal data storage.



- This controller complies with the European Low Voltage Directive 2006/95/EC, by the application of safety standard TS EN 61010-1. (Pollution degree 2)
- This controller complies with the EMC Directive 2004/108/EC by the application of EMC standard TS EN 61326.

### TECHNICAL SPECIFICATIONS

Accuracy Class	0.5
Screen Type	12.1" TFT display, 1024×768 resolution, 18 bit color, touchscreen
Relay Outputs	SPST-NO; 250 V AC, 5 A
Relay Outputs Numbers	Max. 18 relay outputs (depends on configuration)
Analog Digital Converter	16 bit (isolated)
Analog Input Numbers	Max. 54 analog input (depends on configuration))
Analog Output Numbers	Max. 12 analog output (depends on configuration)
Input Signal	TC (B, E, J,K, L, N, R, S, T, U), RT (Pt-50, Pt-100, Pt-500, Pt-1000, Ni-100, Ni-200, Ni-500, Ni-1000), 0/20 mA, 4/20 mA, -2000 mV/2000 mV, 0/10 V
Digital Input Numbers	Max. 144 digital input (depends on configuration)
Digital Output Numbers	Max. 144 digital output (depends on configuration)
Power Consumption	40 W Max.
Sampling Rate	100 ms (for all channels)
Security	Security code for 5 users
Protection Class	IP 65 front panel, IP 20 rear panel
Operating Temperature	-10°C ... 50°C
Data Storage	8 GB Micro SD Flash Internal
Power Supply	85-265 V AC 85-375 V DC
Communication	10-100 Mbit Ethernet, RS-485, 1 x USB Host 2.4 Ghz Wi-fi (optional)

# ORDERING GUIDE

E-PR-200 Series Paperless Recorders and Controllers

E-PR-200 - S1 - S2 - S3 - S4 - S5 - S6 - S7 - S8 - S9 - Y - Z

## Standard Features

- Programmable universal inputs
- Internal 8 GB Micro SD
- RS-485 Modbus RTU, Ethernet, 1 USB host
- PID control
- Mathematical function channels.
- PC software programme

### S1

- None ..... 0
- 3 universal inputs (TC, RTD, I, V, mV) ..... 1
- 6 universal inputs (TC, RTD, I, V, mV) ..... 2
- 6 relay outputs ..... 3
- 16 digital inputs ..... 4
- 16 digital outputs ..... 5
- 4 analog outputs (0-20 mA, 0-10 V DC configurable) ..... 6

### S2

- None ..... 0
- 3 universal inputs (TC, RTD, I, V, mV) ..... 1
- 6 universal inputs (TC, RTD, I, V, mV) ..... 2
- 6 relay outputs ..... 3
- 16 digital inputs ..... 4
- 16 digital outputs ..... 5
- 4 analog outputs (0-20 mA, 0-10 V DC configurable) ..... 6

### S3

- None ..... 0
- 3 universal inputs (TC, RTD, I, V, mV) ..... 1
- 6 universal inputs (TC, RTD, I, V, mV) ..... 2
- 6 relay outputs ..... 3
- 16 digital inputs ..... 4
- 16 digital outputs ..... 5
- 4 analog outputs (0-20 mA, 0-10 V DC configurable) ..... 6

### S4

- None ..... 0
- 3 universal inputs (TC, RTD, I, V, mV) ..... 1
- 6 universal inputs (TC, RTD, I, V, mV) ..... 2
- 6 relay outputs ..... 3
- 16 digital inputs ..... 4
- 16 digital outputs ..... 5
- 4 analog outputs (0-20 mA, 0-10 V DC configurable) ..... 6

### S5

- None ..... 0
- 3 universal inputs (TC, RTD, I, V, mV) ..... 1
- 6 universal inputs (TC, RTD, I, V, mV) ..... 2
- 6 relay outputs ..... 3
- 16 digital inputs ..... 4
- 16 digital outputs ..... 5
- 4 analog outputs (0-20 mA, 0-10 V DC configurable) ..... 6

### S6

- None ..... 0
- 3 universal inputs (TC, RTD, I, V, mV) ..... 1
- 6 universal inputs (TC, RTD, I, V, mV) ..... 2
- 6 relay outputs ..... 3
- 16 digital inputs ..... 4
- 16 digital outputs ..... 5
- 4 analog outputs (0-20 mA, 0-10 V DC configurable) ..... 6

Coding continued on next page S7 - S8 - S9 - Z - Y

<b>S7</b>	None .....	0
	3 universal inputs (TC, RTD, I, V, mV) .....	1
	6 universal inputs (TC, RTD, I, V, mV) .....	2
	6 relay outputs .....	3
	16 digital inputs .....	4
	16 digital outputs .....	5
	4 analog outputs (0-20 mA, 0-10 V DC configurable).....	6
<b>S8</b>	None .....	0
	3 universal inputs (TC, RTD, I, V, mV) .....	1
	6 universal inputs (TC, RTD, I, V, mV) .....	2
	6 relay outputs .....	3
	16 digital inputs .....	4
	16 digital outputs .....	5
	4 analog outputs (0-20 mA, 0-10 V DC configurable).....	6
<b>S9</b>	None .....	0
	3 universal inputs (TC, RTD, I, V, mV) .....	1
	6 universal inputs (TC, RTD, I, V, mV) .....	2
	6 relay outputs .....	3
	16 digital inputs .....	4
	16 digital outputs .....	5
	4 analog outputs (0-20 mA, 0-10 V DC configurable) .....	6
<b>Wi-Fi</b>	None .....	0
	Available .....	1
<b>Power Supply</b>	85-265 V AC / 85-375 V DC .....	0

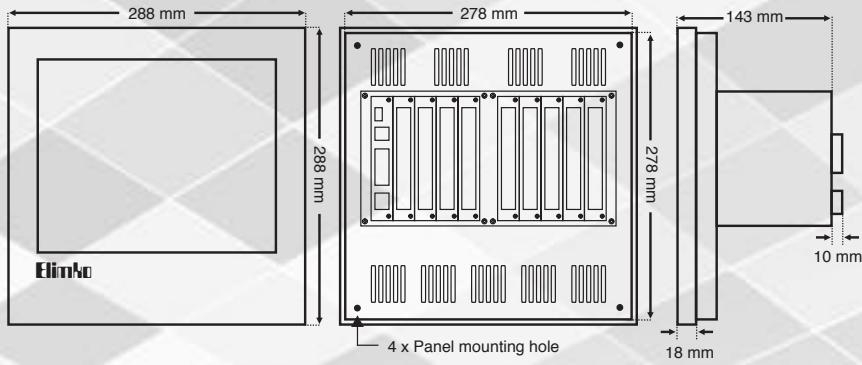
**NOTE**

- The I / O Alternatives above apply to all SLOTS.
- Within the limits of the supply unit, the total number of relay output, analog output and two-wire transmitter supply options are limited to 16 units.This is valid if the power limits are activated at the same time.
- There is no such limitation when all SLOTS are selected as ANALOG and DIGITAL input.
- For configuration and different application details, please contact Elimko.

**SAMPLE**

<b>E-PR-200-2-2-2-2-2-2-2-2-1-0</b>	Standard features, 54 analog inputs, 85-265 VAC / 85-375 VDC supply, Wi-Fi
<b>E-PR-200-2-2-2-3-3-3-5-5-0-0-0</b>	Standard features 18 analog inputs,18 relay output, 32 digital output, 85-265VAC/85-375 VDC supply
<b>E-PR-200-2-2-3-3-6-0-0-0-0-0</b>	Standard features 12 analog inputs, 12 relay output, 4 analog output, 85-265VAC/85-375 VDC supply

## **DIMENSIONS**



**Panel cut-out = 281 x 281 mm**

