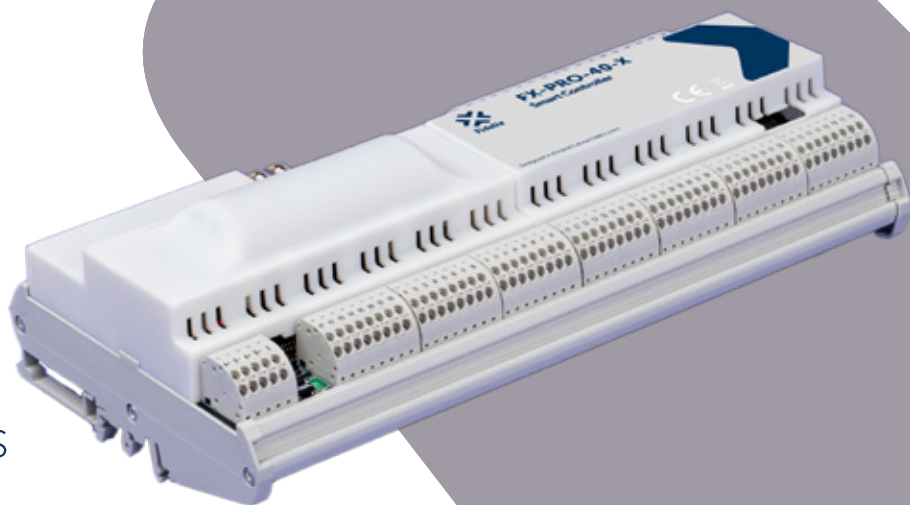




FX-PRO-40-X

Smart PLC with 40 I/O's



- Smart HVAC process controller
- Ideal for small-scale automation applications that demand reliability, simplicity, and power
- 40 integrated I/O-points
- Versatile connectivity capabilities, built-in web server with a graphical user interface
- Create your application yourself or let our experts build it for you (OEM)

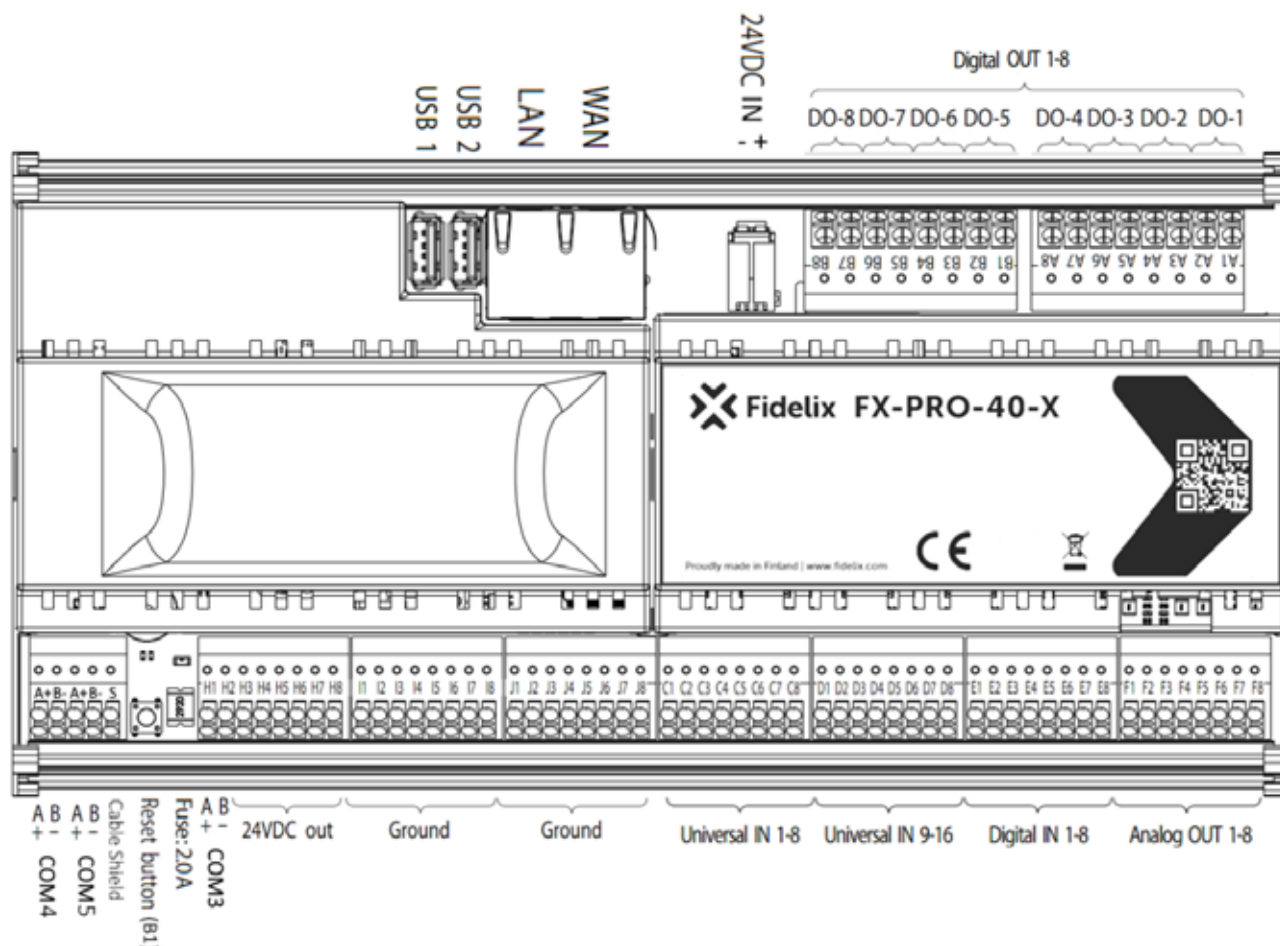
Quick to install, easy to use

The Linux-based FX-PRO-40-X controller is built for flexibility and adapts effortlessly to a wide range of control scenarios.

The built-in web server delivers responsive HTML graphics that scale across all screen sizes – perfect for tablets, phones, and desktop displays. And with support for the IEC 61131-3 standard for PLC programming, the FX-PRO-40-X gives you all the flexibility you need to build your automation application with ease.

Technical features

Dimensions:	249 x 126 x 74 mm
Weight:	650 g
Operating voltage:	24 VDC +/- 10%
Power consumption:	12 W / 0.5 A
Operating temperature:	0 to +40°C
Storage temperature:	-40 to +40°C
Relative humidity:	90%, no condensation
IP-Class:	20
I/O ports:	8 DO, 16 UI, 8 DI, 8 AO



Technical overview

Operating voltage	24 VDC +/- 10%
Power consumption	12W / 0.5A
Universal inputs (UI)	Number of inputs: 16 - Resistive (NTC10, PT1000, Ni1000...) - Voltage 0-10VDC - Current 0-20mA - Potential-free contact
Digital inputs (DI)	Number of inputs: 8 - Potential-free contact - Pulse counter - Resistive (low resolution)
Analog outputs (AO)	Number of outputs: 8 0-10VDC - I_{max}./channel: 10mA - Resolution 10 bits
Digital outputs (DO)	Number of outputs: 8 - Relay output (SPST-NO) - I_{max}. (AC): 6A / 230VAC - I_{max}. (DC): 5A / 30VDC
24VDC out	I _{max} . 2A
Communication	Modbus RTU/IP, M-Bus

Network	- Ethernet LAN + WAN 10/100 Mbit/s - Webserver, firewall, NAT
USB	- USB1: Firmware update, configure - USB2: Reserved for router
Button B1	Reboot the unit
Fuses	- Main: 3A slow blow 24VDC OUT: 2A PTC
CPU	ARM Cortex-A9 1.0 GHz
Memory	512 MB DDR3 RAM (64 bit) 4 GB eMMC Flash 4 GB uSD memory card
Data retention	- Weekly backups to uSD - CR2032 for real time clock - Super capacitor for power failures