

MILLENIUM LOGIC CONTROLLER - NEW GENERATION

12 I/O Expandable Logic Controller

MXD12RD7ET
 MXD12 12-24 VDC, 4 relay outputs

- Built in ethernet TCP/IP
- Up to 60 I/Os
- Free programming software
- 3 colour display
- High-speed inputs 5 kHz



PRODUCT DESCRIPTION

Make it Simple, Choose Millenium!

The Crouzet Millenium PLC is a compact, networked and communicative logic controller designed for advanced industrial automation applications. Its configurable architecture enables flexible deployment with support for up to 12 expansion modules and a maximum of 24 digital inputs, 20 digital outputs, 8 analog inputs and 8 analog outputs for scalable control systems. The PLC includes enhanced connectivity features such as embedded Ethernet, Modbus TCP client/server, and an onboard webserver for remote monitoring, diagnostics, datalogging and system updates.

With datalogging via SD card, high-speed inputs up to 5 kHz, and PWM capable transistor outputs on certain models, it is suitable for motion control, counting applications, and varied automation demands. The Millenium PLC offers wide operating temperature performance of -20 °C to +55 °C, CE/UL certifications, and compliance with industrial EMC standards for reliable installation in demanding environments.

Powered by **Crouzet Soft**, the world's most intuitive automation software, you can design programs using simple drag-and-drop Function Blocks or Ladder logic — **no coding required**. Whether you're a beginner or an experienced engineer, programming has never been faster or easier.

KEY FEATURES

- **Expanded Range:** Wider selection than the Millenium 3 for more project flexibility.
- **Communication-Ready:** Built-in **Ethernet TCP/IP**, with optional **Modbus RS485** via interchangeable interface modules.
- **Compact & Expandable:** Supports **60+ I/Os**, including digital, analogue, high-speed, and 4–20 mA inputs and outputs.
- **More Memory:** Double the memory of Millenium 3, plus optional **SD card** support for program and data storage.
- **Enhanced Display:** A new **three-colour screen** with 24 characters per line, intuitive navigation, and improved button layout for easy operation.
- **Integrated Webserver:** Remote access for **visualisation, interaction, maintenance**, and **program loading** directly over a local network.

TECHNICAL DATA

GENERAL DATA

Number of inputs	8
Number of outputs	4
Supply voltage	12-24 V DC
Expandable	Yes
Current consumption	1,5 - 3W

Backlight	3 colour display
Programming method	CrouzetSoft
Program memory	2000 function blocks
I/O ports - ethernet port	Embedded ethernet port
Count speed	5kHz
Output type	4 Relay outputs
Switching voltage max	250 V AC

OTHER TECHNICAL DATA

Length	72 mm
Width	61 mm
Depth	63 mm
Height	90 mm
IP class front	IP40
Temperature operational min	-22 °C
Temperature operational max	55 °C
Approvals	CE, cULus, REACH, RoHS



