

# Schneider TM221C24R Manual

Brand	Schneider
Product Series	Schneider
Product Type	digital outputs, along with 2 analog inputs (0-10V)

## Description

The TM221C24R is a Modicon series controller developed by Schneider Electric, tailored for versatile automation applications. With a power supply requirement of 24 V DC, it supports up to 14 digital inputs and 10 relay-type digital outputs, along with 2 analog inputs (0-10V).

Technical specifications for TM221C24R

Manufacturer Schneider Electric

Product Line Modicon

Part Number TM221C24R

EAN 3606480648717

Weight 1.00 lbs (0.45 kg)

Power Supply Voltage 24 V DC

Number of Digital Inputs 14

Number of Digital Outputs 10 (Relay Type)

Analog Input 2 (0-10V)

Processor Type 32-bit

Processing Speed 22 ns per instruction

Memory Capacity 256 kB (Program Memory)

Data Storage 64 kB (Retention Memory)

Expansion Capacity Supports additional I/O modules

Real Time Clock Built-in

Operating Temperature -10°C to 55°C

Mounting Type DIN Rail Mount

Length 130 mm

Width 95 mm

Description

The Schneider Electric TM221C24R is designed as a compact, high-performance controller within the Modicon range. Operable with a power supply of 24 V DC, it offers 14 digital inputs for various sensor and control applications. Users can utilize 10 relay-type digital outputs for controlling devices. Additionally, the device accommodates 2 analog inputs, allowing for voltage readings within a range of 0 to 10 volts.

This unit is equipped with a 32-bit processor, guaranteeing efficient processing capabilities at a speed of 22 ns per instruction. For memory, the TM221C24R provides 256 kB specifically for program storage, alongside 64 kB allocated for data retention, ensuring critical data remains accessible. The controller supports further expansion through additional I/O modules, creating flexibility for various systems.

Incorporating a real-time clock, the TM221C24R can manage time-sensitive tasks, which is essential for automation processes. Designed to function within a temperature span from -10°C to 55°C, it can perform across a variety of operational environments. Moreover, it is suitable for DIN rail mounting, with dimensions of 130 mm in length and 95 mm in width, making it a practical choice for installation in control panels.

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