

Schneider Series Service Manual

TSX1702028

1. Description

The Schneider Electric TSX1702028 is a versatile programmable controller designed to operate within a power supply voltage range of 110 to 240 Volts AC. With multiple inputs and outputs, it includes 24 total connections that accommodate 24 Volts DC input signals and relay outputs, providing essential functionality for automation tasks.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Programmable Controller
Product	Line Modicon
Part	Number TSX1702028
Weight	2.63 lbs (1.19 kg)
Power	Supply Voltage 110 to 240 Volts AC
Number	of Inputs/Outputs 24 inputs/outputs
Input	Type 24 Volts DC input
Output	Type Relay output
Status	Indicator Type 5 LED indicators
Supply	Frequency 50 to 60 Hertz
Ambient	Operating Temperature 5 to 55°C (in a non-condensing environment)
Storage	Temperature -25 to 70°C (in a non-condensing environment)
Frequency	Limit 47 to 63 Hertz
Allowable	Supply Voltage Fluctuation 96 to 264 Volts AC
Humidity	Tolerance 30% to 95% relative humidity (without condensation)
Description	
The	TSX1702028 model from Schneider Electric is classified as a programmable controller, notable for its adaptability in various industrial applications. Rated for a power supply voltage of 110 to 240 Volts AC, it allows for significant flexibility in different power situations. This module is equipped with 24 input/output points, with each

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Technical specifications for TSX1702028

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The TSX1702028 model from Schneider Electric is classified as a programmable controller, notable for its adaptability in various industrial applications. Rated for a power supply voltage of 110 to 240 Volts AC, it allows for significant flexibility in different power situations. This module is equipped with 24 input/output points, with each input being rated for 24 Volts DC. The outputs are structured as relay outputs, offering reliable switching capabilities for connected devices.

This controller is fully equipped to provide clear operational feedback via five LED status indicators, facilitating quick assessments of its function. The device operates effectively under a supply frequency of 50 to 60 Hertz, accommodating a frequency limit spanning from 47 to 63 Hertz. The controller can handle voltage fluctuations in the range of 96 to 264 Volts AC, ensuring stable performance in a variety of electrical environments.

The environmental specifications are suitable for standard industrial settings, with an operational temperature range of 5 to 55 degrees Celsius, provided that conditions remain non-condensing. When stored, the module can withstand temperatures from -25 to 70 degrees Celsius without sustaining damage. Furthermore, it operates effectively within a humidity range of 30% to 95% relative humidity, also without condensation. Weighing in at 2.6 pounds (1.17 kilograms), the TSX1702028 is manageable for installation while delivering robust performance.