

Schneider Series Service Manual

TSX3710101

1. Description

The TSX3710101 from Schneider Electric is a micro PLC engineered for versatile automation solutions. It operates within a 100-240 V AC voltage range and supports input currents from 2 mA up to 60 A, adapting to various project demands.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Line TSX Micro PLCs
Part	Number TSX3710101
UPC	785901885115
Weight	1.00 lbs (0.45 kg)
Voltage	Rating 100-240 V AC
Input	Current 2 mA-60 A
Temperature	Range 32-140 °F (0-60 °C)
Frequency	50/60 Hz
Slots	2
Output	Capacity Maximum output current of 0.5 A
Analog	Inputs 8 slots with a range of 0 to 10 V
Analog	Outputs 1 slot supporting 0 to 10 V
Communication	Interfaces 1 serial link (TER/AUX) Uni-Telway rated at 19.2 kbit/s, and 1 Modbus RTU rated at 19.2 kbit/s
Memory	Flash memory (15 Kwords) and internal RAM (20 Kwords)
Expandable	Memory Internal RAM can be expanded to 128 Kwords with a PCMCIA card
Execution	Time 0.13 µs (Boolean operations) to 4.5 µs (arithmetic REAL floating operations)
Application	Structure Supports 1 fast task, 1 master task, and 16 event tasks
Humidity	Range 10% to 95% without condensation
Physical	Dimensions 13.44 x 5.94 x 5.98 inches

3. Product Information

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Technical specifications for TSX3710101

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Application Structure Supports 1 fast task, 1 master task, and 16 event tasks

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Physical Dimensions 13.44 x 5.94 x 5.98 inches

Description

The TSX3710101 micro PLC series from Schneider Electric is designed to handle a variety of automation tasks efficiently. It is rated for a wide input voltage of 100-240 V AC. This model accommodates input currents from a low 2 mA to a maximum of 60 A, providing flexibility for different applications.

Operating temperature is rated between 32 and 140 °F (0 and 60 °C), making this PLC suitable for diverse environments. The unit functions effectively at a frequency of 50/60 Hz and includes two slots for modular expansion. With a maximum output capacity of 0.5 A, it ensures reliable command over devices in integrated systems.

The TSX3710101 also features eight analog input slots with a defined voltage range of 0 to 10 V, along with a single analog output slot that supports the same voltage range. Its communication needs are addressed with one serial link via Uni-Telway, rated at 19.2 kbit/s, and a Modbus RTU interface, also at 19.2 kbit/s.

Memory capabilities include 15 Kwords of flash memory alongside 20 Kwords of internal RAM, which can be expanded to 128 Kwords through a PCMCIA card. Execution times vary depending on the operation type, ranging from 0.13 µs for Boolean operations to 4.5 µs for arithmetic REAL floating operations. The application's structure supports one fast task, one master task, and sixteen event tasks, allowing for efficient management of processes.

This micro PLC operates effectively in conditions featuring humidity levels from 10% to 95%, provided there is no condensation. The physical dimensions of the unit measure 13.44 inches in length, 5.94 inches in width, and 5.98 inches in height, allowing for easy integration into existing systems.

Category

22556-TSX MICRO, PL7 MICRO & ACCESS

Discount Schedule

PC14

GTIN

3389110761566

Returnability

No

Country of origin

FR

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

6.1 in (15.5 cm)

Package 1 Width

6.5 in (16.5 cm)

Package 1 Length

7.008 in (17.8 cm)

Package weight(Lbs)

3.137 lb(US) (1.423 kg)