

Schneider Series Service Manual

140NOL91110

1. Description

The 140NOL91110 by Schneider Electric is a transceiver that integrates with the Modicon Quantum series. It supports a Lonworks interface, allowing for effective data communication. Designed for stable operation, this unit functions well within specific temperature and humidity ranges.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Quantum Transceiver
Product	Line Modicon Quantum
Part	Number 140NOL91110
Weight	15.00 lbs (6.80 kg)
Interface	Type Lonworks Interface
Storage	Temperature Range -40°C to 85°C
Transmission	Type TPT/XF-78
Data	Transmission Rate 78 kbps
Mounting	Type DIN Rail
Bus	Voltage 24 V
Power	Supply 24 V DC
Current	Rating 150 mA
Operating	Temperature Range -20°C to 60°C
Maximum	Operating Humidity 80% RH (non-condensing)
Maximum	Storage Humidity 80% RH (non-condensing)
Maximum	Operating Altitude 1000 meters above sea level without derating
Maximum	Storage Altitude 1000 meters above sea level

3. Product Information

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Technical specifications for 140NOL91110

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Description

Schneider Electric's 140NOL91110 transceiver is engineered for integration into the Modicon Quantum series, facilitating Lonworks networking. This model offers reliable performance across a temperature spectrum from -20°C to 60°C. For extreme conditions, it can handle storage temperatures as low as -40°C and up to 85°C. The transmission method utilized is TPT/XF-78, achieving a data rate of 78 kbps so that information can be sent promptly and efficiently.

The device is installed via a DIN rail mount, promoting easy integration into existing setups. It operates on a 24 V DC power supply and requires a current rating of 150 mA for optimal functionality. The design accommodates various environmental challenges, with a maximum operating humidity of 80% RH, ensuring non-condensing conditions. Additionally, it maintains reliability at altitudes of up to 1000 meters above sea level during both operation and storage.

Weighing 0.45 kg, this transceiver is both lightweight and efficient, making it an ideal choice for applications requiring robust data transmission capabilities within specified limits. The focus on operational resilience and adaptability makes the 140NOL91110 a valuable component in various automation systems.