

NIS Scaler Timer

Nuclear Instrumentation System Scaler Timer

The Westinghouse Solution

Westinghouse is the Original Equipment Manufacturer (OEM) of many Excore Nuclear Instrumentation Systems (NIS) installed across the operating fleet and continues to provide long-term support for these legacy systems and components. As installed equipment ages, obsolescence of certain NIS components has created challenges for continued operation and supportability.

To address these challenges, Westinghouse has redesigned the NIS Scaler Timer as a long-term replacement solution. The redesigned Scaler Timer maintains the required counting and timing functionality for safety-related nuclear instrumentation applications while addressing component obsolescence concerns.

The new NIS Scaler Timer is a direct, drop-in replacement for the original drawer, maintaining form, fit, and function compatibility with existing systems. The unit is manufactured in-house at Westinghouse's New Stanton, Pennsylvania facility, ensuring continued availability, configuration control, and long-term support.

Customer Benefits

The redesigned NIS Scaler Timer preserves existing Nuclear Instrumentation Systems while improving long-term supportability. Updated internal electronics enhance stability, noise immunity, and timing accuracy, while maintaining the deterministic performance required for nuclear instrumentation and monitoring applications.

Replacement of legacy scaler timer drawers addresses known obsolescence challenges and reduces future obsolescence risk, supporting improved long-term serviceability and continued availability of spare components.

As a direct, drop-in replacement, the NIS Scaler Timer enables a cost-effective modernization approach by maintaining compatibility with existing systems and minimizing the need for broader system modifications, procedural changes, or licensing impacts.

Specific Design Benefits

- Like-for-like replacement maintaining original form, fit, and function
- Updated circuit design and simplified front panel layout
- Clear, operator-focused front panel controls
- Modern electronics architecture
- Electromagnetic compatibility (EMC) qualified and tested
- Optional front panel paint color customization

Part Number Information

The base model NIS Scaler Timer is identified by part number **6051D100G06** and is supplied with a standard beige front panel. This unit replaces the original legacy scaler timer drawer, part number **1530/ST101**. Units specified with custom front panel paint colors are assigned a unique part number to reflect the configured design.

<https://info.westinghousenuclear.com/westinghouse-parts-business>

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