

LN Series Display

Product Bulletin

LN-DSWSC1-0, LN-DSWSC2-0

Code No. LIT-12011806

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The LN Series Display helps you store and manage the events in a network while providing a point user interface to the system.

The LN Series Display is an extension of the LN Series Scheduler. The device incorporates an integral display and buttons to serve as a local user interface to your LONWORKS® system, and is capable of displaying up to 250 variables from your system.

The LONWORKS-based LN Display can store and managing up to 16 schedules. Similar to all devices in the LN Series, you can set up the Scheduler via an LNS® plug-in, such as LN Builder, to any LNS Network Management software.



Figure 1: LN Series Display

Table 1: Features and Benefits

Features	Benefits
Programmable via LNS Plug-In	Allows programming from any LNS-based tool via plug-ins.
Schedule Objects	Features four holiday templates per schedule, seven weekday templates per schedule, and network variables that have changeable types and lengths.
Real-Time Clock	Features a Real-Time Clock and battery backup with a 15-year life span.

LN Series Display Overview

You can configure the LN Series Display using an LNS compliant plug-in, such as LN Builder. The Display integrates easily with any LONMARK® compliant device that uses Simple Network Variable Types (SNVT) or User-Defined Network Variable Types (UNVT). The Display supports a dedicated output network variable for each of the schedules. Using this network variable, you can bind your schedule to any of the other devices on your network.

Each schedule includes a configurable template for each day of the week, and you can configure six events per day. For added flexibility, there are four special day templates (per schedule) for holidays or other exceptions.

Dimensions

Figure 2 shows the dimensions for the flush-mount casing LN Series Display.

Figure 3 shows the dimensions for the surface-mount casing LN Series Display.

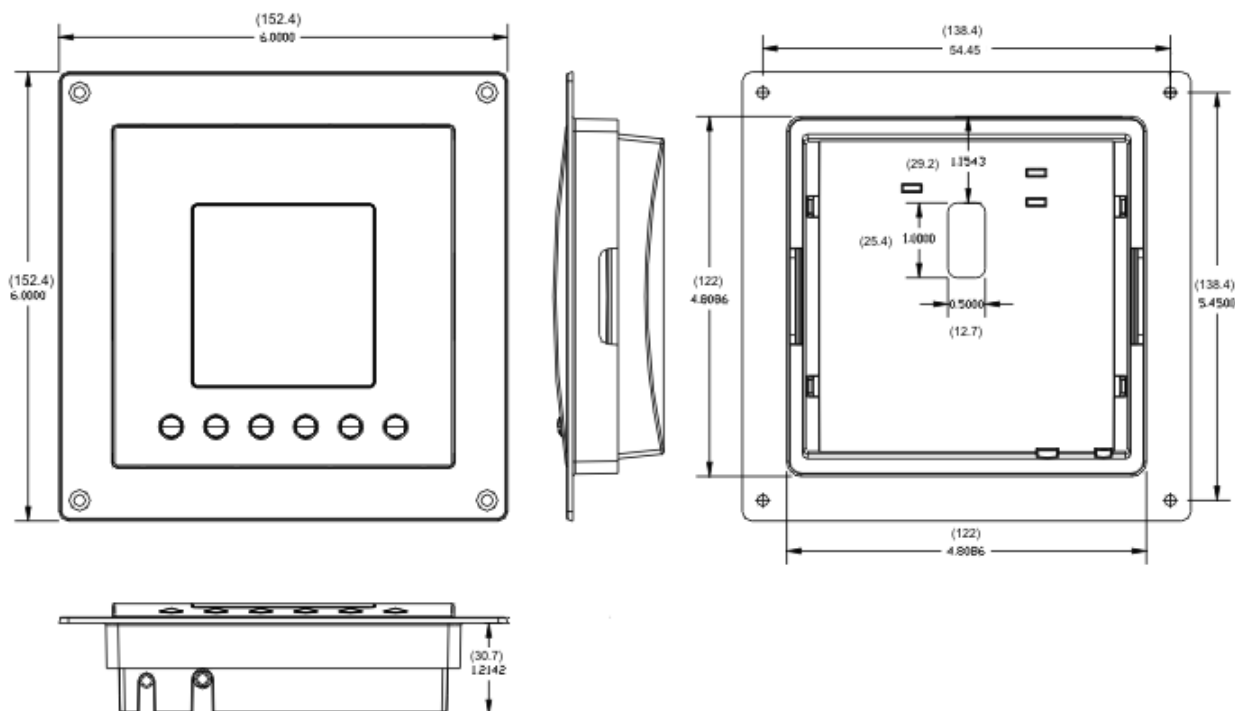


Figure 2: LN Series Display Flush Mount Dimensions, in. (mm)

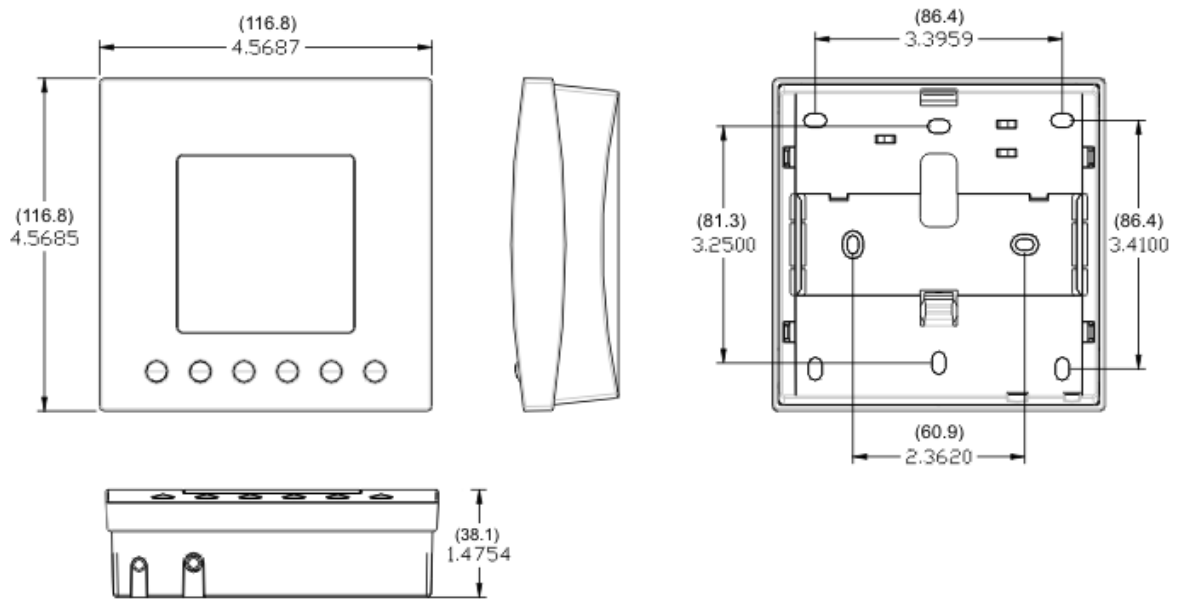


Figure 3: LN Series Display (Surface Mount) Dimensions, in. (mm)

LONMARK Objects and Network Variables

Figure 4 shows the LONMARK Objects and Network Variables for the LN Display.

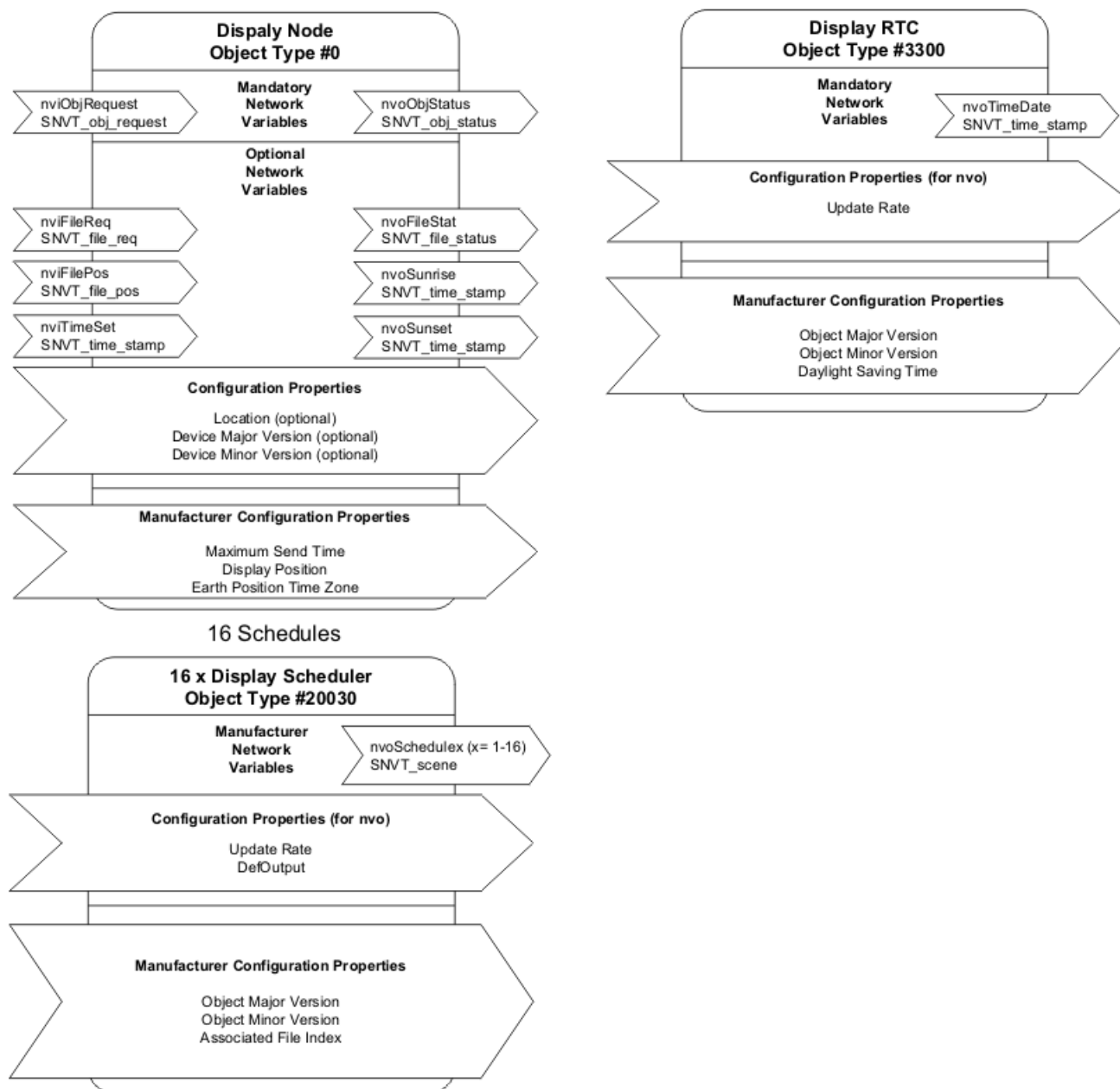


Figure 4: LONMARK Objects and Network Variables – LN-DSWSCx-0

Technical Specifications

LN-DSWSC1-0, LN-DSWSC2-0

Product Code	LN-DSWSC1-0, LN-DSWSC2-0	
Power Requirement	Voltage: 24 VAC/DC; $\pm 15\%$, 50/60 Hz, Class 2 Protection: 500 mA auto-reset fuse Consumption: 8 A	
Environmental	Operating Temperature: 10–50°C, (50–122°F) Storage Temperature: -20–50°C, (-4–158°F) Relative Humidity: 0 to 90% noncondensing	
General	Processor: Neuron® 3150™, 8-bit Processor Speed: 10 MHz Memory: 64k Nonvolatile Flash (applications), 64k Nonvolatile Flash (storage) Transceiver: TP/FT-10; 78 Kbps Communication: LonTalk® protocol Status Indicator: Green LEDs on outputs Communication Jack: 1/8 in. (3.5 mm)	
Enclosure	Material: ABS Resin Dimensions: Flush mount unit: 6 x 6 x 1.48 in. (151 x 151 x 38 mm) Surface mount unit: 4.57 x 4.57 x 1.48 in. (116 x 116 x 38 mm) Shipping Weight: 0.88 lb (0.40 kg)	
LCD Display	Type: backlit Definition: 128 x 128 pixels Display area: 2.1 x 2.1 in. (53.34 x 53.34 mm) Screen saver: customizable	
Electromagnetic Compatibility	CE Emission: EN61000-6-3: 2007 Generic standards for residential, commercial, and light-industrial environments. Immunity: EN61000-6-1: 2007; Generic standards for residential, commercial, and light-industrial environments. FCC: This device complies with FCC rules part 15, subpart B, class B	
Compliance	United States	UL Listed, File E107041, CCN PAZX, to UL 916, Energy Management Equipment. FCC Compliant to CFR 47, Part 15, Subpart B, Class B.
	Canada:	UL Listed, File E107041, CCN PAZX7, to CAN/CSA C22.2 No. 205, Signal Equipment. Industry Canada, IECES-003.

The performance specifications are nominal and conform to acceptable industry standard. For application at conditions beyond these specifications, consult the local Johnson Controls® office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products.

North American Emissions Compliance

United States

This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when this equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his/her own expense.

Canada

This Class (A) digital apparatus meets all the requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la Classe (A) respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

The term IC before the certification/registration number only signifies that the Industry Canada technical specifications were met.



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