



Talon Display

**Staefta Control System™ LCD
Display with Scheduler**



Description

Based on the LONTALK® open network protocol, the Talon Display is a multi-function LCD display equipped with a 3150® Neuron® processor. Unique in our industry, it can display and interface with up to 250 network variables, while most other displays are limited to only 64 variables.

The Talon Display can be used with the Staefta Talon system as a human-to-machine-interface. However, being fully interoperable, it can also operate with any LONMARK® compliant device, using SNVTs or UNVTs.

The Talon Display can be configured with a Niagara Framework wizard, which allows grouping of up to 5 points (variables) per group, with a maximum of 50 groups. The group and variable names are customizable with up to 13 and 16 characters respectively.

The Talon Display is the perfect interface for any sized system, where a PC front end is not always required. It is also ideal for large and complex systems where a manual interface is desired for a faster and more convenient access.

The Staefta Talon product line is built to meet rigorous quality standards and carries a two-year warranty. The complete line of Talon controllers is designed for use with the Niagara framework and/or any other open and interoperable system – such as LNS. This provides both the contractor and the end user with the flexibility of using “best of breed” products in system design.

Applications

- Manage systems without a supervising station
- Quick and convenient access when a computer is far or out of reach
- Monitor or modify states and set points for any variable in a LONWORKS® network
- Supports up to 16 independent schedules

Features

Interoperability

- Based on LONWORKS® technology for peer-to-peer communication between controllers

Hardware

- Backlit LCD display with a 128 X 128 pixel screen
- Changeable logo (wallpaper)
- Configurable through an easy-to-use Niagara framework® wizard
- Simple to use 6-button interface for navigation and data entry
- Battery backup for clock with 15 year lifespan
- Can be mounted on a wall or within a panel
- Available in “flush mount” and “Din rail” casings
- Built-in input for 1/8” communication jack (3.5mm)

Display object

- Supports imperial or metric units
- Read / write support for up to 250 points (SNVT, UNVT, Free Programmable points)
- Regroup displayed points into a maximum of 50 groups
- Acts as a node and can be plugged-in anywhere on a LONWORKS network
- Supports enumeration text format (0/1 point status display ON/OFF or XXX/YYYY)
- Assign passwords to users (full access or view only)
- Auto log-off feature

16 Scheduler objects

- Schedules are configured through the Niagara framework® wizard. Each object contains one schedule
- All schedules are stored in on-board Flash memory
- Schedule network variables are of changeable type and length
- Seven weekday templates per scheduler
- Six configurable events per day, per schedule
- Four holiday templates per schedule
- Schedules can be edited locally on device

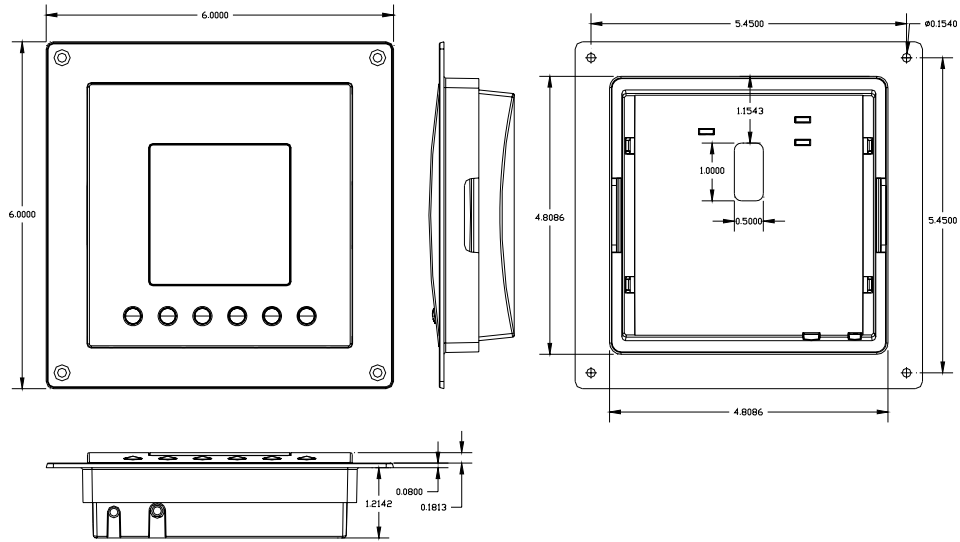
Real-time clock object

- Allows configuration of daylight saving time
- Accurate timekeeping for controller applications

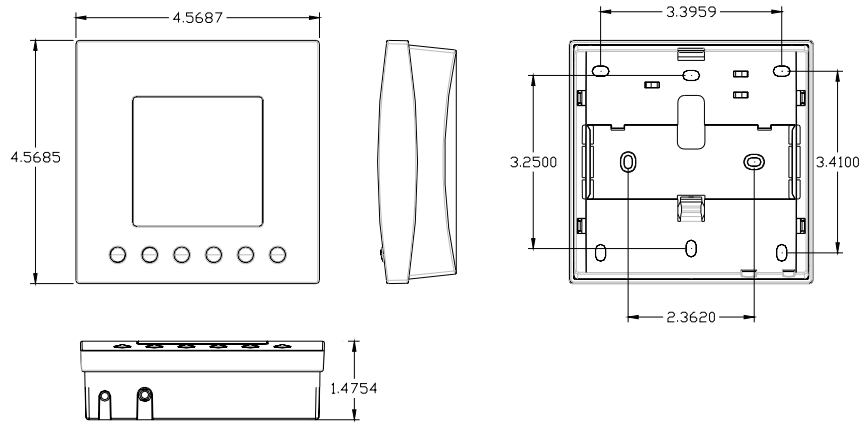
Specifications

The Talon Display is offered in two different casings; flush mount and surface mount.

Flush Mount Casing (FMT model)

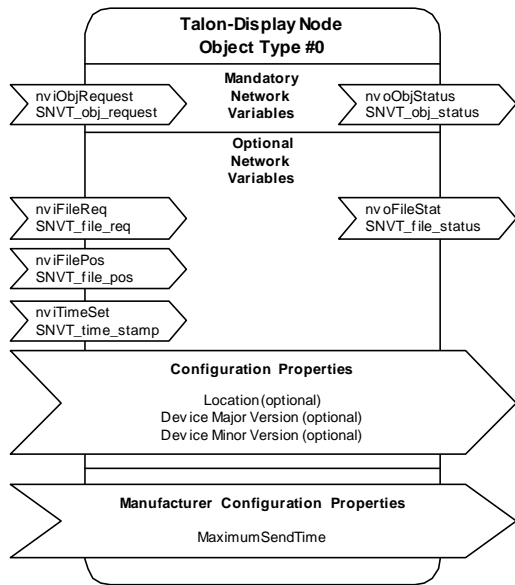


Surface Mount Casing (SMT model)

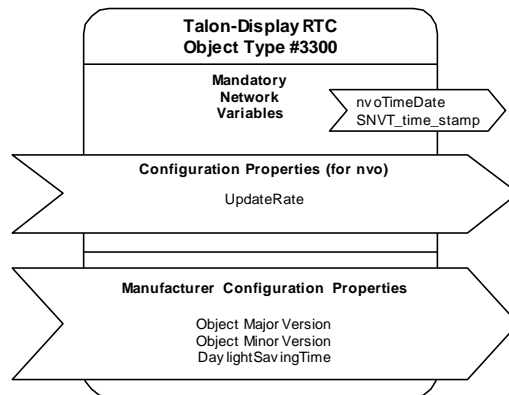
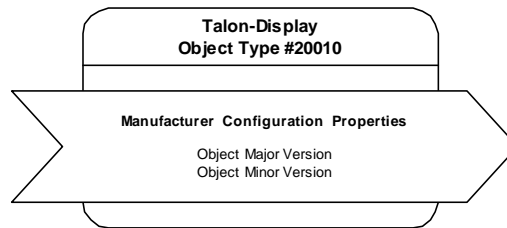
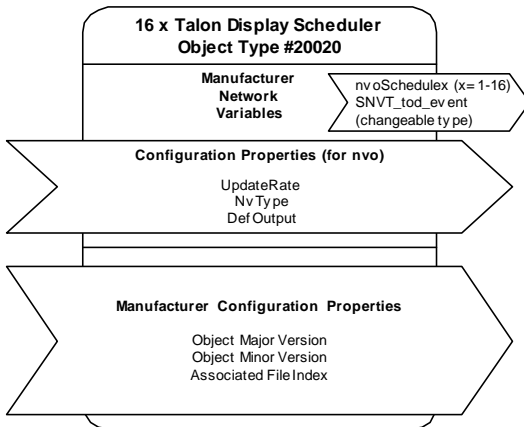


Power		LCD Display	
Voltage	24VAC/DC; ±15%, 50/60HZ, Class 2	Type	Backlit
Protection	500 mA auto-reset fuse	Definition	128 x 128 pixels
Consumption	8 VA	Display Area	2.1" x 2.1" (550 x 550mm)
		Screen Saver	Customizable
Environmental		Agency Approvals	
Operating Temperature	0°C to 70°C, 32°F to 158°F	CE	EN55022: 1998 class B EN61000-4-2: 1995 level3 in air, level 2 by contact EN61000-4-3: 1996, level 2
Storage Temperature	-20°C to 70°C, -4°F to 158°F		
Relative Humidity	0 to 90% Non-condensing		
General			
Processor	Neuron [®] 3150 [®] ; 8 bits; 10MHZ		EN50204: 1995, level 2
Memory	Non-volatile Flash 64K (APB application) Non-volatile Flash 64K (storage)		EN61000-4-4: 1995, level 2 EN61000-4-6: 1996, level 2
Communication	LonTalk [®] protocol	UL listed	Listed 6EA7
Transceiver	TP/FT-10; 78 Kbps		Energy management equipment
Status Indicator	Green LEDs on outputs		This device complies with FCC rules
Communication jack input	1/8" (3.5mm)		part 15, subpart B, class B
Enclosure		Part Numbers	
Material	ABS Resin	587-838	Talon Display w/ Scheduler
Color	Off white	587-839	Talon Display w/ Scheduler, Flush Mount
Dimension (FMT)	6" x 6" x 1.48" (151 x 151 x 38mm)		
Dimension (SMT)	4.57" x 4.57" x 1.48" (116 x 116 x 38mm)		
Shipping Weight (FMT)	0.88 lbs (0.40 kg)		

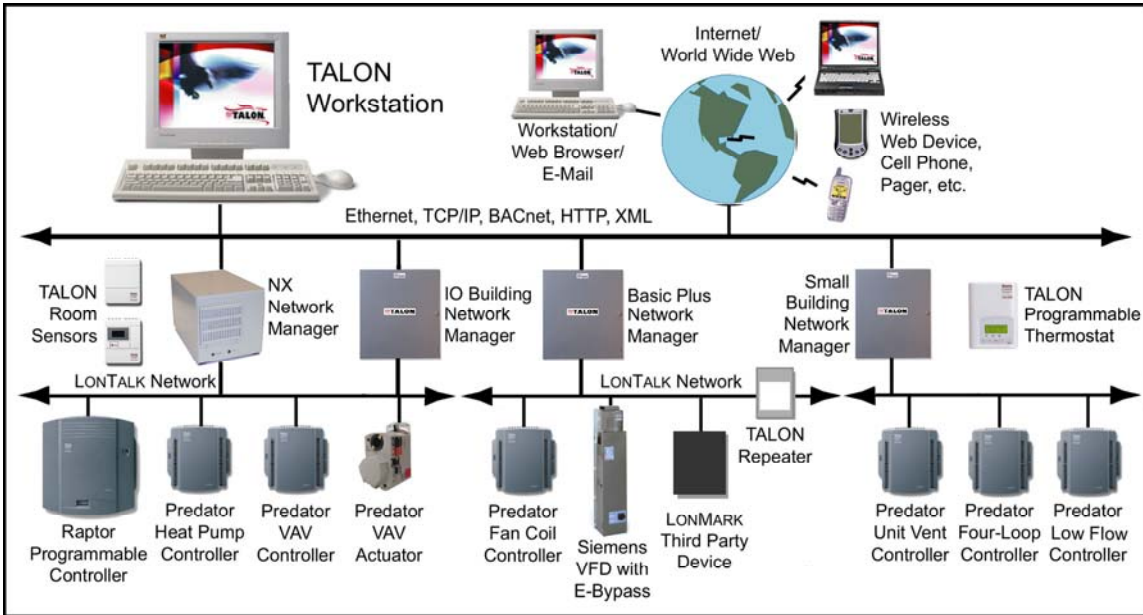
LONMARK® Objects & Network Variables



16 Schedules



TALON Architecture



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Siemens Building Technologies, Inc.
 HVAC Products
 1000 Deerfield Parkway
 Buffalo Grove, Illinois 60089
 Phone 847-215-1000
www.staeefa.com
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