National Time & Signal

National Time has been manufacturing wifi based clocks since 2009. We leveraged this knowledge and experience not only to create a digital clock with unsurpassed features but, is also the easiest to use.

Each clock has a built-in setup wizard making configuring to your building's wifi network a fast and simple process. Configuration can be accomplished using a smart phone or laptop without the need to install any special software. Time synchronization can be provided by any SNTP time server on the internet, or local network. National Time offers a local TiMEWiSE™ Supervision Server (Bulletin C-531) or the TiMEWiSE™ Device Cloud service (Bulletin C-575). When using these National Time services, the connection, signal strength and other statuses of the clocks are monitored. The Supervision Server is a device on the local network eliminating the need for an internet SNTP server. The free TiMEWiSE™ Device Cloud service monitors clock statuses and synchronization history allowing a proactive approach to system maintenance.

National Time's digital clock series has more features that benefit your organization than any other. NATSCO's exclusive **automatic dim** feature that decreases the brightness to compensate for low ambient light levels associated with artistic and video productions. This not only provides a pleasant brightness level, but also saves energy during nighttime hours. **Nine brightness levels** may be selected to satisfy the brightest locations.

A **class-change timer** function is also supported. A popular option in K-12 schools. Count down the time left until students become tardy between classes. Alternately, a **count-up timer** function can be selected for other custom applications. These events can be scheduled using the TiMEWiSE™ Supervision Server. A smart phone or laptop can also be used to control an elapsed timer or count-down timer.

Add a durable metal housing to the **long life** epoxy filled digit segments and you won't find better value. Available in both 2.25" and 4" wide bar digits that increase the visibility over clocks of comparable size. 6-Digit versions displaying hours, minutes and seconds are also available.
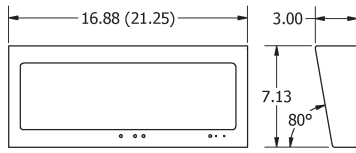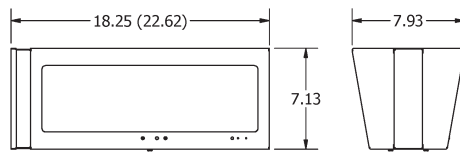
SF-DW400-4
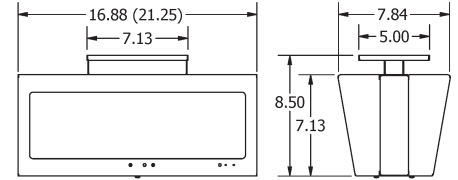
SF-DW225-4

Features:

- Long-Life Epoxy Sealed Display
- Auto-Dim Feature
  - Hospital Surgical Suites
  - Theaters
  - Longer Life
  - Power Savings
- 9 Brightness Levels
- 12/24-hr Display Format
- Count-up/down Timer Capability
- No Master Clock Required
- Battery-Less Backup Timekeeping
- Durable Steel Housing
- No Server Software Required
- Leverage Existing WiFi Networks
- Easy Setup
- Compatible with 802.11b/g/n Networks
- Two-way Communication to Monitor Clock Status
- Supports Existing Security Schemes
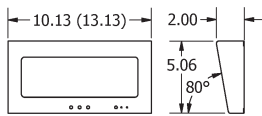- Compatible with National's TiMEWiSE™ Family of Devices
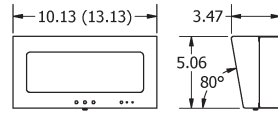
SF-DW400-4 (SF-DW400-6)
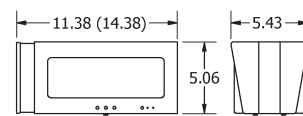
DF-DW400-4 (DF-DW400-6)
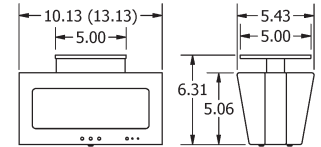Wall Mount

DF-DW400-4 (DF-DW400-6)
Ceiling Mount

SF-DW225-4 (SF-DW225-6)

SF-DW225-4 (SF-DW225-6)
with Surface Box

DF-DW225-4 (DF-DW225-6)
Wall Mount

DF-DW225-4 (DF-DW225-6)
Ceiling Mount

Currents:

units mA Part No.	24VDC Typ.	24VDC Max.	24VAC Typ.	24VAC Max.	WT 120V Typ.	WT 120V Max.	HW 120V Typ.	HW 120V Max.
SF-DW225-4	24	34	41	58	20	27	17	18
SF-DW225-6	37	60	58	90	27	49	18	23
DF-DW225-4	36	59	60	93	25	37	16	21
DF-DW225-6	56	108	84	152	38	59	28	38

units mA Part No.	24VDC Typ.	24VDC Max.	24VAC Typ.	24VAC Max.	WT 120V Typ.	WT 120V Max.	HW 120V Typ.	HW 120V Max.
SF-DW400-4	52	65	71	102	25	28	29	40
SF-DW400-6	52	82	77	124	26	33	34	50
DF-DW400-4	60	106	98	160	28	37	39	57
DF-DW400-6	77	150	122	212	33	49	47	78

Typical current for brightness setting=4; Maximum current for brightness setting=9

Networks Supported: 802.11b/g/n; 2.4GHz; DHCP; SNTP; WPA; WPA2; Open

Ordering

Part Number: SF-DW400- 4 - 120V-WT-BLK

STYLE:
SF=Single Face
DF=Double Face

SERIES

SIZE:
225= 2.30 inch
400= 4.00 inch

# of DIGITS:
4= HH:MM
6= HH:MMss

POWER:
24V= 24VAC or 24VDC Powered by Existing Source
120V-WT= 120VAC Wall Transformer Powered (included)
120V-HW= 120VAC Hard-wired Transformer Powered (included)

COLOR: Grey=(Std.)Blank; Black=BLK

Popular Part Numbers:

Part No.	Description
SF-DW225-4-24V	Single Face WiFi Digital Clock; 2.3" Four digit; 24V AC/DC
SF-DW225-4-120V-WT	Single Face WiFi Digital Clock; 2.3" Four digit; 120V Wall Transformer
SF-DW225-4-120V-HW	Single Face WiFi Digital Clock; 2.3" Four digit; 120V Hard-Wired Trans.
SF-DW225-6-120V-HW	Single Face WiFi Digital Clock; 2.3" Six digit; 120V Hard-Wired Trans.
DF-DW225-4-120V-HW	Double Face WiFi Digital Clock; 2.3" Four digit; 120V Hard-Wired Trans.
SF-DW400-4-24V	Single Face WiFi Digital Clock; 4" Four digit; 24V AC/DC
SF-DW400-4-120V-WT	Single Face WiFi Digital Clock; 4" Four digit; 120V Wall Transformer
SF-DW400-4-120V-HW	Single Face WiFi Digital Clock; 4" Four digit; 120V Hard-Wired Trans.
SF-DW400-6-120V-WT	Single Face WiFi Digital Clock; 4" Six digit; 120V Wall Transformer
SF-DW400-6-120V-HW	Single Face WiFi Digital Clock; 4" Six digit; 120V Hard-Wired Trans.
DF-DW400-4-24V	Double Face WiFi Digital Clock; 4" Four digit; 24V AC/DC
DF-DW400-4-120V-HW	Double Face WiFi Digital Clock; 4" Four digit; 120V Hard-Wired Trans.

Accessories:

Part No.	Description
DW225-SURF BOX	Surface Back box for Four-Digit DW225 Digital Clock
DW400-SURF BOX	Surface Back box for Four-Digit DW400 Digital Clock

Surface Box required for DW225 WT version and DW225/DW400 surface conduit installations. 7/8" Holes on two sides for wire entry.