

Standard Features

- Attractive, modern SlimLine design
- Hour/minute hands
- 12" round model
- Individual automatic synchronization with hourly correction
- Microprocessor-based movement
- Simple setup and installation
- Easily maintained and serviced

Optional Features

- Double-Dial Round Bracket

Description

Simplex Impulse Clocks can be used in all types of applications, from small offices to large-scale industrial sites.

Simplex Impulse Clocks are driven by a compact ratchet drive movement that responds to an electrical impulse sent from the Master Clock each minute. Impulse clocks are individually checked for agreement with the Master Clock once each hour, providing uniform and accurate time. Any clock not synchronized with the Master Clock will be automatically advanced or retarded as required.

During power outages, the Master Clock accumulates the time, and when power is restored, automatically advances all system clocks to the correct time. Impulse clocks connect to 2- or 3-wire parallel circuits. With the 3-wire circuit, one wire is used for the rapid impulses; with the 2-wire circuit, polarity reversal is used. Correction range is 59 minutes slow and 10 minutes fast.



6310-9075A

Specifications

Case Material	ABS
Case Color	Black
Dial	Symmetry
Crystal	Shatter-proof, side-molded, transparent polycarbonate
Power Requirements	24 VDC, .035 A
Average Current Consumption	35 mA @ 24VDC/VAC
Hand Tolerance	Minute hand: +/- ¼ minute
Temperature Range	32° F to 120° F (0° C to 40° C)

Wiring

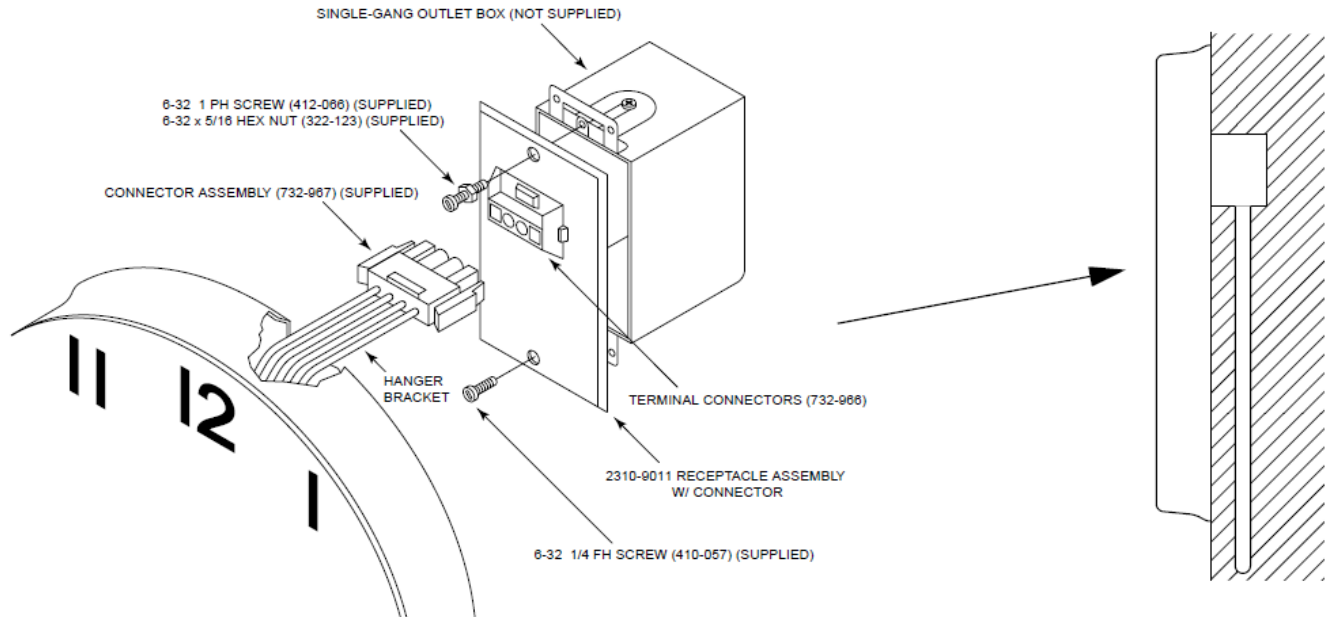
Wiring size and type varies greatly, depending on the correction type, voltage used, quantity of clocks, cable distance, local codes, and National Electrical Code Class I requirements. Your local Sales Representative is equipped to assist you with complete clock system design services and wiring specifications.

Mounting

The Simplex 6310-9075A impulse clock may be used for service replacement of previously installed Simplex 2310/6310 impulse clocks and for new system installation.

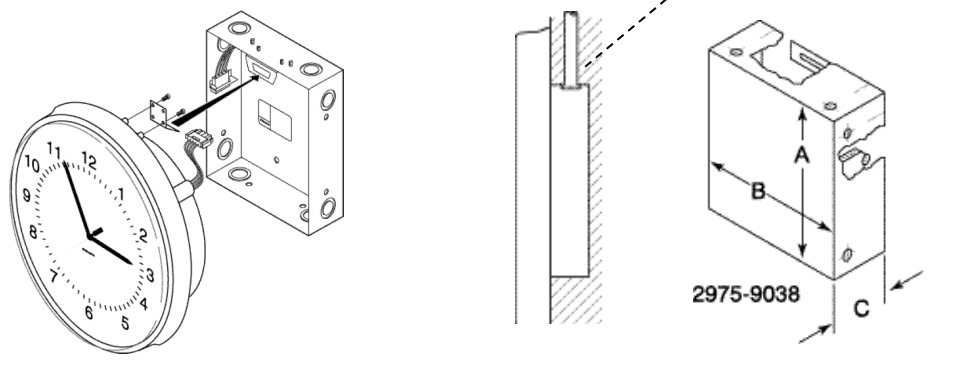
Service Replacement:

Surface Mount Clock: Previously installed Simplex 2310 and 6310 surface mount impulse clocks may have been mounted using a 2310-9011 Receptacle Assembly as shown below.



To replace these clocks with a Simplex 6310-9075A clock requires an A-RETRO-PLATE-1 Simplex Cover Plate (ordered separately). Remove the terminal connector from the existing 2310-9011 receptacle plate and insert it into the A-RETRO-PLATE-1 Simplex Cover Plate. Assemble the clock mounting hanger and connector assembly to the clock by following the instructions included.

Semi-Flush Mounting: A previously installed 12" Simplex semi-flush impulse clock may have been mounted using a 2975-9038 or 2975-9040 Back Box as shown below:



TYPE	OLD#	A	B	C	Clock
2975-9038	5928	9-1/8" (23.1 cm)	8-1/8" (20.6 cm)	2-5/16" (5.8 cm)	12" Round Semi-Flush
2975-9040	5929	9-1/8" (23.1 cm)	8-1/8" (20.6 cm)	3-5/8" (9.1 cm)	12" Round Semi-Flush

To replace these clocks with a Simplex 6310-9075A impulse clock, attach the clock mounting hanger and connector assembly (included) to the 6310-9075A replacement clock according to the instructions provided. Attach the connector to the receptacle plug as described in the installation instructions and hang the clock onto the back box.

Double-Dial Mounting:

The Simplex 6310-9075A impulse clock is **not** compatible with existing Simplex 2310-9810 or 2310-9814 Double-Dial Brackets. To double-dial mount Simplex 6310A round clocks requires a:

JAH-1BD-12R-0 Double Mount Housing for Slim Line 12" Round Analog Clock

To install the 6310-9075A impulse clock in a single-side “flag-style” ceiling or wall mount requires:

JAB-1BD-00S-0 Double Mount Housing for Slim Line 12" Round Analog Clock, *plus one*

A-SLM-MOUNT-12S-0 Mounting Rings

Clock Size:

12" SlimLine

W = 12.9" (32.7cm)

W2 = 12.6" (32.0cm)

D = 2.4" (6.2cm)

D2 = 1.7" (4.3cm)

Shipping Weight:

2 lbs (0.9 kg)

Double/Dual Mount Dimensions:

W3 = 6.6" (16.7cm)

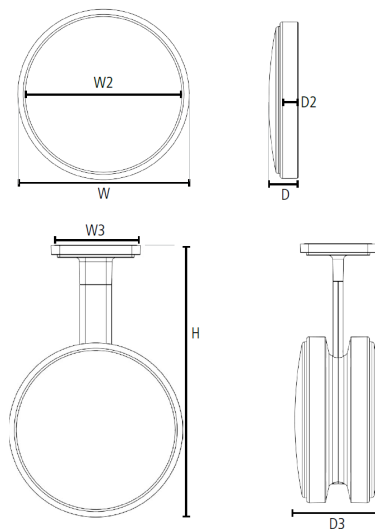
D3 = 6.4" (16.2cm)

Adjustable Pole Height:

H = 19.7" (50.2cm)

= 18.1" (46.1cm)

= 16.5" (41.9cm)



New System Installation:

The Simplex 6310-9075A impulse clock is ideal for installation in a new Simplex impulse wired clock system:

1. Back Box

The Simplex 6310-9075A synchronous clock may be installed using either a 2310-9011 Receptacle Assembly and one-gang box, or a 2975-9038 or 2975-9040 Back Box. When a 2310-9011 Receptacle Assembly is utilized, remove the terminal connector from the 2310-9011 receptacle plate and insert it into an A-RETRO-PLATE-1 Simplex Cover Plate (ordered separately).

2. Install Molex Connector

Connect the four-position Molex connector (included) to the clock according to the instructions provided with the 6310-9075A clock.

3. Clock Mount / Hanger

When mounting the clock to a 2975-9038 or 2975-9040 Back Box, attach the Simplex clock hanger to the clock.

When mounting the clock using a 2310-9011 Receptacle Assembly and one-gang box, the alternative locking assembly mount (included) may be used. Install according to Simplex 6310-9075A installation instructions.

