

NATIONAL TIME offers a digital clock series with improved features over previous models. This new microprocessor based secondary clock and the MC-100 Master Clock form a unique time keeping system offering on demand time correction. This digital communication format can provide power and instantly correct all secondary clocks to any time of day using only two conductor low voltage wire. This format eliminates costly battery replacement and lengthy reset schemes. National's new energy saving power algorithm and current control circuitry combine to provide a low current, constant brightness LED display. 24VAC units are available in attractive 4" or 2.25" high visibility, wide-bar digits. For extremely long wire runs, 120VAC power and communication may leave the Master Clock when the appropriate 24VAC transformer is mounted at each clock or double face unit.

For systems not utilizing National's Master Clocks, 12-hour resets may be accomplished with a short power interruption each 12:00.

The durable steel housing, plug-in connectors and universal mounting plate simplify installation. An optional low profile surface box allows for surface mounted conduit entry. The corridor conversion kit will support top or side mounting, single or double face. Powder grey finish standard, other colors upon request.

D225 Digital Clock

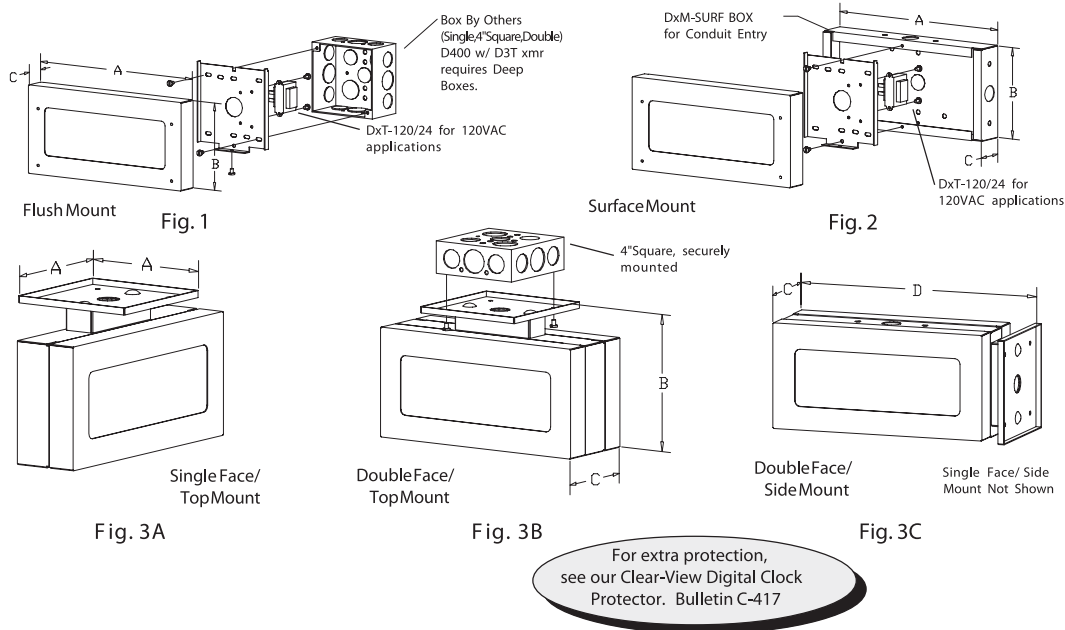


D400 Digital Clock
Shown with Corridor Kit

Features:

- On-Demand Correction
- 2-Wire Operation
- Accurate 60hz Timekeeping
- Low Power Consumption
- Long-Life Sealed Display
- Microprocessor Based
- Durable Steel Housing
- High Visibility
- Plug-in Connectors

Mounting Options



Specifications

Voltage Requirements:

24VAC: Clocks will function with 24VAC with no modifications.

120VAC: Supported with addition of these transformers:

D2T-120/24 - Supports Single Face D225

D3T-120/24 - Supports Double Face D225; Single or Double Face D400

The transformer mounts to the back of the mounting plate and extends into the surface box or electrical box. The D2T-120/24 protrudes 1.18", the D3T-120/24 protrudes 1.75". (May require a Deep Double Gang or Deep 4 Square back box or the D400-SURF BOX.)

Correction Formats Supported:

On Demand Correction: When used with National Time MC-100 Master Clock, clocks can correct to any time of day. Only

2 low voltage wires required.

12 Hour Reset: An 'off' pulse (0.5 sec. min) at 12:00 will reset all clocks.

Part No.	Voltage	Range	Current
D225	24VAC	16-32VAC	57mA
	120VAC	105-132VAC	15mA
D400	24VAC	16-32VAC	85mA
	120VAC	105-132VAC	30mA

Ordering Information

Part No.	Fig	Description	Mounting	Dim A	B	C	D
D225	1	2.25" Digital Clock with Mounting Plate	4 Square, Double, Single	10.13	5.06	1.13	--
D400	1	4" Digital Clock with Mounting Plate	4 Square, Double, Single	16.88	7.13	1.38	--
D225-SURF BOX	2	Surface Mount Box for D225	4 Square, Single, Wall Surface	10.13	5.06	2.63	--
D400-SURF BOX	2	Surface Mount Box for D400	4 Square, Single, Wall Surface	16.88	7.13	3.38	--
D225-CORR KIT	3	D225 Corridor Conversion Kit; Side or Top Mount*	Securely mounted 4 Square	8.00	6.30	3.75	11.40
D400-CORR KIT	3	D400 Corridor Conversion Kit; Side or Top Mount*	Securely mounted 4 Square	5.00	8.44	4.75	18.20
D2T-120/24	--	120/24VAC Transformer for Single/Double Face D225	4 Sq, Dbl Gang, Surf/Corr. Box	--	--	--	--
D3T-120/24	--	120/24VAC Transformer for Single/Double Face D400	D400 Corridor Kit	--	--	--	--