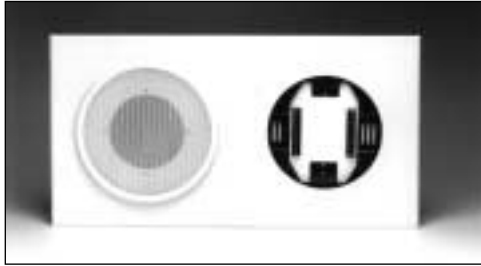


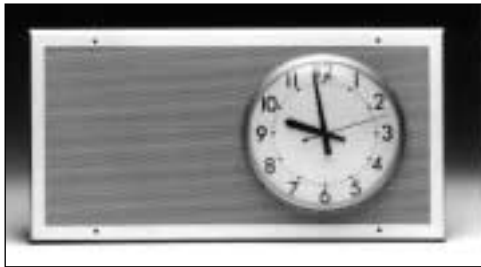


COMBINATION ANALOG CLOCK/ 8" SPEAKER Baffles AND ENCLOSURES

830, 840, NC850,
(SM)194, (SM)195,
E850 Series



830 Series



840 Series



NC850 Series

Shown with Control Panel Insert
Models NC850-A, NC850-S2, and NC850-BX
(from Left to Right) Order Separately

FEATURES

- Reliable Design Installs Quickly in New or Retrofit Construction
- Recessed and Surface Mounting Styles Meet Installation Requirements.
- Universal Bracket Mounts Almost Any 9", 10", or 12" Dia. Analog Clock.
- All Models Include Provisions for Easy Installation of Standard 8" Loudspeakers.
- Easy-to-Configure Standard Panels in Model NC850 Provide Custom Flexibility for Mounting Switches, Thermostat, and/or Lighting Controls.

APPLICATIONS

Atlas Sound clock/speaker baffles provide convenient and cost-effective installation of analog clocks and 8" dia. loudspeakers for use in schools, offices, commercial, industrial, and institutional applications of all kinds. CRS construction in surface and recessed styles and with optional panel control inserts assure service durability and application flexibility.

830 Series. Economical clock/loudspeaker baffle assemblies are offered in two sizes and feature a CRS grille and trim ring mounted to an 18-gauge CRS panel with cutouts for mounting an 8" dia. loudspeaker (order separately). The 830 Series mounts into position using a double-action torsion spring system to provide a hardware-free appearance. Models include a black gasket for concealed mounting of an 8" dia. (203mm) loudspeaker and a universal clock mounting bracket for installation of almost any 9", 10", or 12" dia. analog clock (by others). The panel, grille, and trim ring components are finished in a white epoxy. Assemblies can be recessed or surface mounted using 194 Series enclosures (see page 3).

840 Series. Contemporary clock/loudspeaker baffle combinations are offered in two sizes and feature a one-piece 18-gauge CRS frame with a 22-gauge CRS perforated grille, a subplate for mounting an 8" loudspeaker (order separately), and a universal bracket for mounting a 9", 10", or 12" clock (by others). The separate subplate is designed for easy concealed installation of a standard 8" dia. (203mm) loudspeaker (order separately). Loudspeaker grille and frame are finished in textured white epoxy. Assemblies can be recessed or surface mounted using 195 Series enclosures (see page 3).

Model NC850. Top of the line clock/loudspeaker baffle/with classroom control panel uniquely and attractively combines multiple functions into one convenient assembly. The multi-purpose "classroom nerve center" has provisions for mounting an 8" dia. loudspeaker, a 9", 10", or 12" dia. analog clock, and a variety of switches and controls (by others).

The assembly's front-panel door features concealed hardware with a full-length piano hinge for easy access to the components and a lock to deter tampering. The top section includes a universal clock mounting bracket. The center section features a loudspeaker subplate with weld studs for concealed speaker installation. The bottom section features (2) 4"W x 6"H openings and (1) one 7½"W x 6"H opening (center) for mounting standard switches and controls. Atlas Sound offers blank and precut plates with #4 weld studs for contractors to mix, match, and rear-mount standard switch components (order panels separately - switch components by others).

Assembly frame is made of 20-gauge CRS and finished in black epoxy. The speaker panel is 22-gauge perforated CRS with ¼" (2mm) holes on ½" (2mm) staggered centers. The panel is finished in a textured white epoxy and recess mounts to enclosure Model E850 (see page 3).

Specifications subject to change without notice



1601 JACK MCKAY BLVD. / ENNIS, TEXAS 75119 U.S.A. / TELEPHONE: (800) 876-3333 / FAX (800) 765-3435

CLOCK/SPEAKER BAFFLE SPECIFICATIONS

MODEL	DIMENSIONS	CLOCK / HOLE CLEARANCE DIA.	MOUNTS (order separately)			WEIGHT LBS.
			SPEAKER*	ANALOG CLOCK**	ENCLOSURE	
830-89A	26½"W x 14"H (673 x 356mm)	8¾" (222mm)	8" (203mm)	9" (229mm), 10" (254mm)	194-89, SM194-89	6
830-812A	33¾"W x 17½"H (860 x 454mm)	10½" (267mm)		12" (305mm)	194-812, SM194-812	7.5
840-89A	26¾"W x 13⅞"H (679 x 348mm)	8¾" (222mm)		9" (229mm), 10" (254mm)	195-89, SM195-89	2.5
840-812A	33-⅞"W x 18⅞"H (862 x 459mm)	10½" (267mm)		12" (305mm)	195-812, SM195-812	5
NC850-89B	17¾"W x 33-¼"H (862 x 459mm)	8¾" (222mm)		9" (229mm), 10" (254mm)	E850	7
NC850-812B		10½" (267mm)		12" (305mm)	(Also order control panels - see below)	

* Ordered separately. ** Manufactured by others.

ORDERING THE NC850 SERIES CONTROL PANEL OPTIONS

The NC850 control panel opening is 15½" wide for mounting (2) two 4"W x 6"H and (1) one 7½"W x 6"H panels or one 15½" blank filler panel.

Panel styles may be mixed and matched to meet application requirements, however, due to enclosure partitioning, the 7½"W panel mounted controls must be positioned in the center.

Each panel includes weld studs on the rear for mounting desired controls.

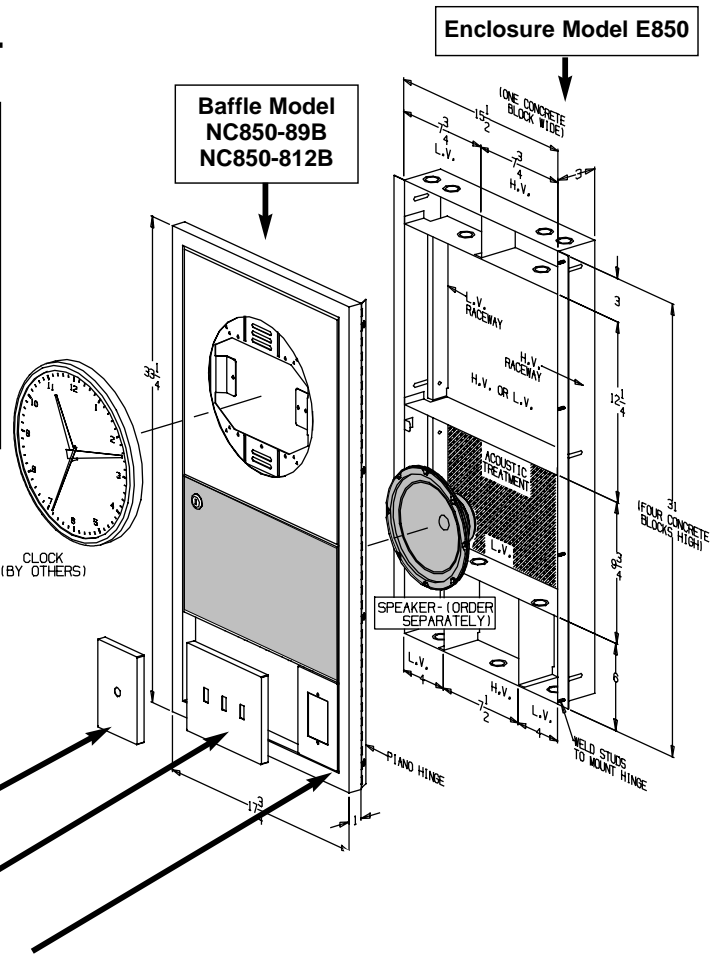
NC850 SERIES BLANK CONTROL PANEL PLATES*

PLATE MODEL	PANEL WIDTH (height is 6")	HOLE SIZE	APPLICATION
NC850-A	4"	¾" Dia.	Thermostat / Call-in switch
NC850-BFA	4"	Blank	4" Blank Filler
NC850-BX	4"	2" x 2⅜"	Single Gang Box
NC850-F	4"	½" Dia.	Call-in Switch
NC850-BPS	7½"	Blank	7½" Blank Filler
NC850-S1	7½"	1⅜" x 1⅝"	(1) Toggle Light Switch
NC850-S2	7½"	1⅜" x 1⅝"	(2) Toggle Light Switch
NC850-S3	7½"	1⅜" x 1⅝"	(3) Toggle Light Switch
NC850-S4	7½"	1⅜" x 1⅝"	(4) Toggle Light Switch
NC850-BPL	15½"	Blank	Full-Width Blank Filler

* Order two 4"W and one 7-1/2"W or one 15-1/2"W panel to fill opening.

PANEL COMBINATION SHOWN ABOVE:

(4") NC850-F (punched for call-in switch) (7-½") NC850-S3 (punched for 3-position toggle light switch) (4") NC850-BX (punched for single gang box)



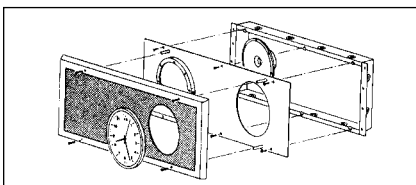
ENCLOSURE SPECIFICATIONS

MODEL	TYPE	DIMENSIONS	MOUNTS	WEIGHT
194-89	Recessed	24½"W x 12½"H x 3"D (622 x 306 x 76mm)	830-89A	8 Lbs.
194-812		31¾"W x 15¾"H x 3"D (803 x 403 x 76mm)	830-812A	13.5 Lbs.
195-89		23¾"W x 11¾"H x 3"D (606 x 302 x 76mm)	840-89A	7 Lbs.
195-812		31¾"W x 16"H x 3"D (794 x 406 x 76mm)	840-812A	11.5 Lbs.
E850		15"W x 31"H x 3"D (394 x 787 x 76mm)	NC850-89B NC850-812B	18 Lbs.
SM194-89	Surface	26¾"W x 14¾"H x 3"D (676 x 359 x 76mm)	830-89A	7.5 Lbs.
SM194-812		34"W x 18"H x 3"D (864 x 457 x 76mm)	830-812A	12 Lbs.
SM195-89		26¾"W x 13¾"H x 3"D (683 x 351 x 76mm)	840-89A	6.5 Lbs.
SM195-812		34¾"W x 18¾"H x 3"D (865 x 462 x 76mm)	840-812A	11 Lbs.

194/195 SERIES ENCLOSURE



Installation of Speaker (order separately), Clock (manufactured by others), and 840 Series Baffle into Enclosure Model 195-89



194/195 SERIES Enclosure

Use Atlas Sound 194 and 195 Series protective enclosures for recessed or surface mounting of 830 and 840 Series clock/speaker baffles, respectively. The 194 Series models contain 12 triple-compound conduit knockouts (six on both top and bottom) to facilitate easy wiring; 195 Series has 12 knockouts (four on both top and bottom, two at each end). Both series are constructed of 20-gauge CRS and are heavily undercoated to prevent mechanical resonances. Units contain a compartment divider to separate high and low voltage wiring. Models for surface application include an (SM) prefix and are finished in textured white epoxy to match the clock/speaker baffle panel. Recessed enclosures are finished with an epoxy coating.

MODEL E850 ENCLOSURE

Recessed enclosure Model E850 is designed to be used with the NC850 Series. The enclosure conveniently replaces one concrete block horizontally and four blocks vertically to eliminate masonry cutting. All external knockouts are ¼" (19mm) and all internal knockouts are ½" (13mm). The NC850-89B(812B) clock/baffle assembly mounts to the enclosure via a piano hinge fastened to weld studs located on the right hand flanges of the enclosure. It is constructed of sturdy 16-gauge CRS with an epoxy coating.



E850 Enclosure

This enclosure is divided into three sections for the clock, speaker, and control panel (see page 2), which is further subdivided to isolate high and low-voltage wiring. The top "clock" section includes raceways for high and low voltage wiring. The center portion which is utilized for the speaker, is undercoated to achieve the maximum in acoustical quality. The bottom portion is divided into (2) two 4"W x 6"H and (1) one 7½"W x 6"H section with knockouts.

ARCHITECT AND ENGINEER SPECIFICATIONS

830 Series. The combination clock/speaker baffle shall be Atlas Sound Model ____ (830-89A, 830-812A). Unit shall be constructed of 18-gauge CRS and shall incorporate a double-action torsion spring system to hold the front panel in place and to eliminate all visible hardware. Unit shall also include provisions for mounting an 8" dia. loudspeaker Model Series _____. Clock/speaker baffle assembly shall mount a ____ (9", 10", or 12") dia. analog clock manufactured by _____. Baffle assembly shall mount Atlas Sound recessed enclosure Model ____ (194-89 or 194-812) or surface mounting enclosure Model ____ (SM194-89 or SM194-812). Panel, speaker grille, and trim ring shall be finished in white epoxy.

840 Series. The combination clock/speaker baffle shall be Atlas Sound Model ____ (840-89A, 840-812A). Unit shall include a 22 gauge CRS perforated grille and a one-piece 18 gauge CRS frame. Unit shall also include a subplate to accommodate an 8" dia. loudspeaker Model _____. Clock/speaker baffle assembly shall mount a ____ (9", 10", or 12") dia. analog clock manufactured by _____. Baffle assembly shall mount Atlas Sound recessed enclosure Model ____ (195-89 or 195-812) or surface mounting enclosure Model ____ (SM195-89 or SM195-812). Loudspeaker grille and outside frame shall be finished in textured white epoxy.

NC850 Series. The clock/speaker baffle and control panel assembly shall be Atlas Sound Model ____ (NC850-89B, NC850-812B).

The assembly shall be mounted to Atlas Sound Model E850 recessed enclosure.

The assembly shall consist of three sections integrally mounted to a sturdy 20-gauge CRS frame. The upper portion shall provide for mounting of a ____ (9", 10" or 12") dia. analog clock by _____. The center panel shall mount an 8" dia. loudspeaker Model _____. The loudspeaker grille shall be perforated with ¼" (2mm) holes on ½" (2mm) staggered centers achieving excellent acoustical qualities and attractive appearance. The bottom control panel portion shall include three panel openings to mount two 4"W Atlas Sound panel models _____, _____, and one 7½"W panel model _____ for stud mounting of control accessories or one blank NC850-BPL 15½" panel. Assembly shall include a lock to restrict access to components. Frame shall be finished in black epoxy. Speaker and clock panel shall be finished in textured white epoxy.

The enclosure Model E850 shall be divided into three distinct sections isolating the clock portion, speaker portion, and control panel. The control panel section shall be further sub-divided to isolate the high and low voltage wiring. The speaker section shall be acoustically treated with undercoating. The entire enclosure shall have an epoxy coating. The outside of the enclosure shall have ¼" (19mm) knockouts and the inside divider panels shall have ½" (13mm) knockouts for ample wiring access.

INSTALLATION INSTRUCTIONS FOR UNIVERSAL CLOCK HANGER BRACKET

The universal clock hanger bracket (patent pending) allows mounting of virtually any new as well as most older clocks to Atlas Sound clock/speaker baffles. The factory-installed hanger bracket allows flexible orientation of clock/speaker baffles at time of installation and comes complete with hardware bag equipped with nuts, bolts and stud bolts.

1. Identify the clock bracket style used by the clock manufacturer (typical examples are shown below).
2. Determine portion(s) of the Universal Bracket required to mount the clock.
Note: Bracket can be unscrewed and re-oriented to meet individual needs.
3. Determine the proper orientation of the baffle. (vertical or horizontal) Verify mounting holes on the mounting bracket before trimming, if trimming is required.
4. Attach the clock to the clock/speaker baffle.

CLOCK BRACKET STYLE (supplied by clock manufacturer)

APPLICATION

830, 840, NC850 Series Clock/Speaker Baffles

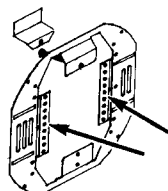
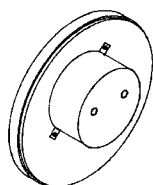
MOUNTING HOLES/SLOTS (for most applications)

STUD TYPE BRACKET

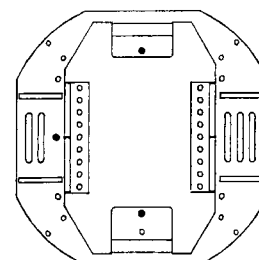
(bracket mounts through an attached bolt stud)

This configuration is typical of clocks by:

Cincinnati
Edwards
Faraday
Franklin
Standard



Breakaway straps
available for
special applications
if needed

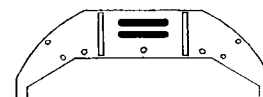
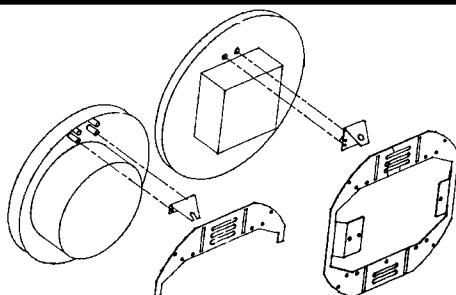


SPADE TYPE BRACKET

(bracket simply hooks into a slot on the hanger bracket)

This configuration is typical of clocks by:

American Time & Signal
Dukane
Lathem
Rauland
Simplex

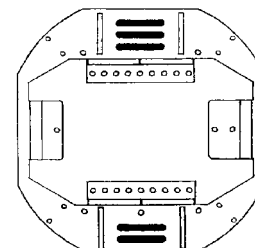
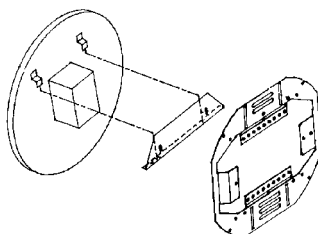


Use trimming chart below
for cutting if needed

PLATE STYLE BRACKET

(bracket supplied by clock maker bolts directly to universal hanger bracket)

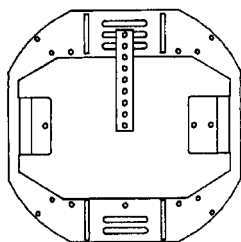
This is typical of clocks by National



STRAP HANGER APPLICATION

(break away the hangers from the side and bolt for clock hanger)

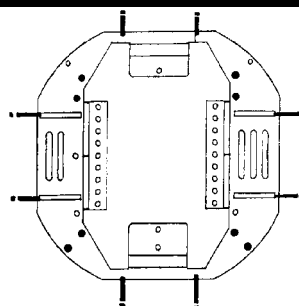
This solution works on obscure older models or unique brands.



BAFFLE MOUNTING HOLES

Use the correct holes to mount bracket/clock to baffle.

Verify mounting holes before any trimming!



TRIMMING LOCATIONS

(use these cutting locations only if needed so that clock hanger mounts correctly to baffle.)

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