

INSTALLATION SHEET FOR OS50TB AND OS50TW 50 WATT INDOOR/OUTDOOR SPEAKERS

Speaker Mounting:

The OS50TW (white) and OS50TB (black) speakers may be mounted indoors or outdoors (when protected from direct moisture). The included aluminum U-bracket has mounting slots that line up with a properly secured metal single gang outlet box, whether mounted vertically as shown in Figure 1, or horizontally as shown in Figure 2. If more flexible aiming is required, OS50T speakers may also be mounted using the optional Lowell OS-BRKT brackets (See Figure 6) or Adaptive Technologies MM-008-BT brackets (See Figure 7). (Purchase directly from Adaptive Technologies). Three (3) 1/4-20 threaded insert points are provided on the rear of the OS50T speakers for these brackets (See Figure 3). A speaker transformer select switch is provided on the rear of the OS50T speakers (See Figure 3). With this switch in the 8 ohm position, the transformer is disconnected internally and the speaker power rating is 50W. With this switch in the A-D positions, the speaker power is determined by the driving voltage as shown on the table on the rear of the OS50T speakers and as shown on the table below. Incoming wiring should enter through the weather-resistant terminal cover (See Figure 8). The rubber grommet may be removed to accommodate larger wiring. Be sure to push the terminal cover on until it snaps to assure a tight seal. Wiring is to be connected to the 4-conductor removable phoenix type connector (See Figure 4 and Figure 5). Parallel dual "+" and "-" terminals are provided in order to terminate incoming and outgoing wiring. Lowell Manufacturing Company recommends that a safety cable always be used when speakers are installed over-head. It is the responsibility of the installer to consult a Licensed Structural Engineer to verify the structural integrity and safety of any mounting method before installation.



FIGURE 1

VERTICAL
MOUNT



FIGURE 2

HORIZONTAL
MOUNT



FIGURE 3

SELECTOR
SWITCH

SPEAKER
BRACKET
THREADED
MOUNTING
POINTS

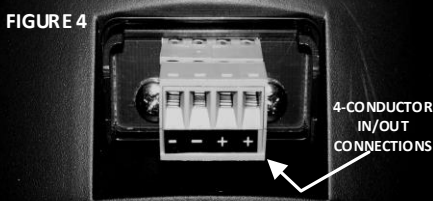


FIGURE 4

4-CONDUCTOR
IN/OUT
CONNECTIONS

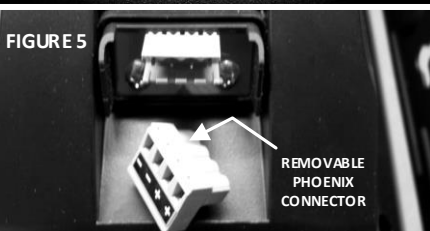


FIGURE 5

REMOVABLE
PHOENIX
CONNECTOR

ELECTRICAL SPECIFICATIONS

Power rating: 50W RMS (RS426B test procedure)

Frequency response: 104Hz-17.3kHz \pm 6dB

Sensitivity: Log average 85.2dB

Woofer: 5.25" polypropylene coated with rubber surround Tweeter: 1/2" PEI

Impedance: 8 ohms Phoenix type connector: maximum 14 AWG stranded wire

OS50T TRANSFORMER TAP SETTINGS

TAP	25V LINE	70V LINE	100V LINE
A	1.9W	15W	DO NOT USE
B	.94W	7.5W	15W
C	.47W	3.8W	7.5W
D	.23W	1.9W	3.8W



FIGURE 6

LOWELL OS-BRKT-B (OR -W)



FIGURE 7

Adaptive Technologies MM-008-BT

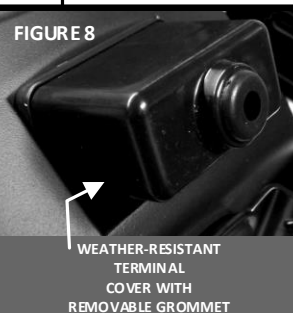


FIGURE 8

WEATHER-RESISTANT
TERMINAL
COVER WITH
REMOVABLE GROMMET

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Page 1 of 1