

# SourceFlex™ System

## Models D-SFRC8, DS-SFRC8, DB-SFRC8

### Room Control Station for SourceFlex Distributed Audio System



- Single Room Listening Station with In-Wall Controls
- Source Selection Pushbutton
- Volume Adjustment Using a Single-Turn Control
- Selection From up to 8 Audio Sources
- Line-Level Audio Output
- Line Output Switchable Fixed or Variable
- Variable Output Follows Front-Panel Level Control
- 3.5 Watt RMS Audio Amplifier into 8 Ohms, 6.5 Watts into 4 Ohms
- High-Efficiency Class D Operation
- Thermal and Short-Circuit Protection
- Speaker Output Connections on Detachable Terminal Block
- Mounts In Wall Using US Single Gang Electrical Box or RDL® WB-1U
- Ideal for Office Distributed Sound Systems with Music and Paging
- Compatible with Other RDL Wall Plates and Controls

The D SERIES-SFRC8 is part of the group of versatile accessory products from Radio Design Labs. These modules combine durable construction with high quality components and attractive, professional graphics. The D SERIES-SFRC8 mounts in separately available electrical wall boxes and cover plates.

**APPLICATION:** The D SERIES-SFRC8 Room Control Station is a SourceFlex listening station for wall mounting in a room, providing source selection and volume control from up to 8 audio sources. A numeric display shows the selected source. There are two line-level audio outputs on the rear of the unit, balanced and unbalanced, to feed an external power amplifier. The amplified power output can deliver up to 3.5 Watts RMS into an 8 ohm Speaker.

A rear-panel switch set during installation causes the balanced line-level output to produce either a fixed +4 dBu or a variable level adjusted by the front-panel control. The unbalanced output is 12 dB below the balanced output level.

Amplification is provided by a high-efficiency Class D power stage with audio filtering tailored for crisp, pleasant audio clarity. The high-efficiency Class D output stage produces negligible heat for all levels of expected voice or music modulation.

The D SERIES-SFRC8 is designed to be mounted in a wall box. Wiring is connected through a rear-panel detachable terminal block. The -SFRC8 is ideal for office distributed sound systems with background music and a paging source. Installation is simple, requiring only wiring and an external 8 ohm Speaker for most installations.

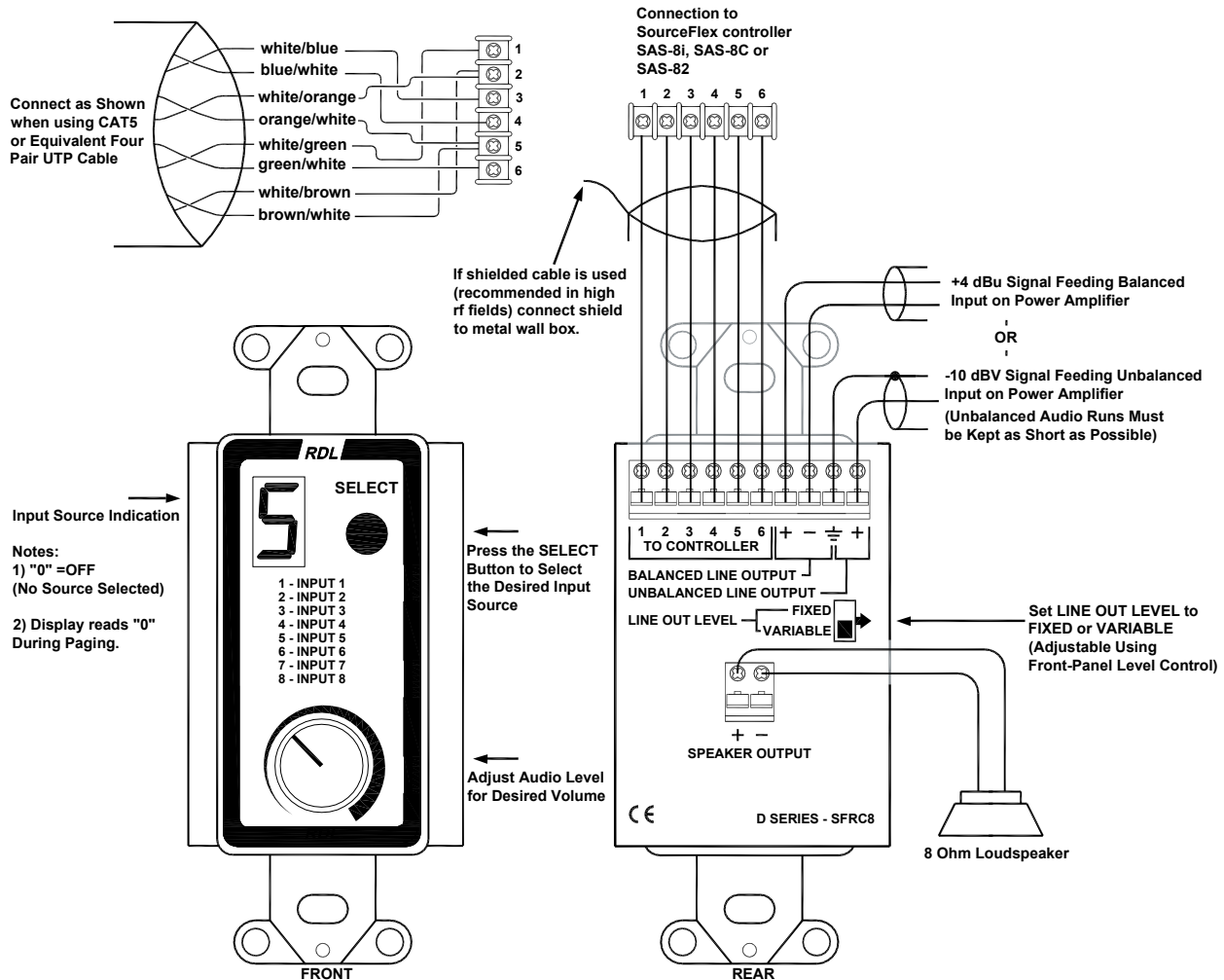
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## Installation/Operation

CE Declaration of Conformity available from rdlnet.com. Sole EMC specifications provided on product package. Specifications are subject to change without notice.



### TYPICAL PERFORMANCE

Input:	10-position detachable terminal block
Display:	7-segment red LED (0 = off or Paging; 1 through 8 = selected channel)
Selector:	Momentary button channel SELECT
Gain Adjustment:	Single-turn audio taper (Front-panel)
Frequency Response:	20 Hz to 20 kHz (Line level, $\pm 0.1$ dB); 40 Hz to 20 kHz (Speaker, $\pm 1$ dB)
THD+N:	< 0.1% (Line level, 20 Hz to 20 kHz); < 0.25% (Speaker, 1 kHz)
Noise:	< -85 dB (Line level, below +4 dBu); < -80 dB (Speaker, below 1 W RMS)
Control Signals:	dc (DISPLAY RAMP and CONTROL conductors between remote Listening Station and Controller)
Line Outputs (2):	+4 dBu balanced, -10 dBV unbalanced, nominal
Output Power:	3.5 W RMS (Max., into 8 ohms); 6.5 W RMS (Max., into 4 ohms)
Power Requirement:	24 Vdc @ 30 mA (Idle); 55 mA (1/8 power; normal voice or music); 225 mA (3.5 W into 8 ohms), Supplied from SourceFlex controller
Ambient Operating Environment:	0° C to 40° C Maximum; 20° C Recommended
Dimensions:	Height: 4.13 in. 10.49 cm; Width: 1.7 in. 4.32 cm; Depth: 2.05 in. 5.21 cm