

BIDIRECTIONAL SIMULATION COUPLER, 62664



- PROVIDES THE BENEFITS OF A BIDIRECTIONAL INSTALLATION
- COMPATIBLE WITH ALL SAFETLAN MS/GCP MODELS
- ADJUSTABLE TO MATCH TRACK APPROACH LENGTH
- COMPACT SIZE FOR WALL OR SHELF MOUNTING

Safetran's Bidirectional Simulation Coupler is designed for use at unidirectional motion sensor (MS) and grade crossing predictor (GCP) installations, obtaining the operating benefits associated with a bidirectional installation. Grade crossing predictor units must also be set up for bidirectional operation. The coupler **must not** be used with a unidirectional GCP which is providing a DAX start for an adjacent street.

The compact unit is housed in a brushed aluminum case containing a single plug-in-type printed circuit board and four toroid-wound inductors, each of which simulates a specific track length. The inductors are wired in series with taps provided to enable strapping of front panel terminals for selecting approach distances (to closely match the actual track approach) that range from 400 to 6,000 feet.

Wideband and narrow-band versions are available and are designated 62664-WB and 62664-Mf respectively. The 62664-WB Coupler includes a wideband shunt and is designed for use in nonsignaled territory or with DC track circuits. The 62664-Mf Coupler includes a narrow-band shunt, of the same frequency as the MS/GCP, and is designed for use with coded DC track circuits or where other audio frequencies or AC signals are present.

SPECIFICATIONS

Adjustment Range:	400 to 6,000 feet (must be within \pm 30 percent of actual approach distance)
Mounting:	Wall, backboard, or shelf. Track connections use standard AAR terminals.
Temperature Range:	-40 degrees F to +160 degrees F (-40 degrees C to +71 degrees C)
Dimensions:	8-3/4 inches (22 centimeters) high 8-1/2 inches (21.6 centimeters) wide 9-1/4 inches (23.5 centimeters) deep
Weight:	5 pounds (2.3 kilograms)

ORDERING INFORMATION

To order, specify description and part number.

Description	Part Number
Bidirectional Simulation Coupler (Wideband Coupler for use in nonsignaled territory or DC track circuits where no other AC signals are present)	62664-WB
Bidirectional Simulation Coupler (Narrow-band Coupler for use in coded track territory and DC track circuits where other AC signals are present)	62664-Mf

(Specify frequency - f)
(Must be the same as MS/GCP operating frequency)
