

## GE Transportation

The Frequency Selectable Shunt (FSS) from GE - Transportation is built to the same proven standards as its predecessors, the NBS-1 and NBS-2. The mechanical design of the FSS allows the user to choose one of up to six frequencies on a single shunt by following a simple adjustment procedure. The frequency selection is externally visible. It has a built-in dummy load terminal post.

The FSS features easy-to-follow setup and adjustment. Its fully encapsulated enclosure improves water and vibration resistance. The FSS ensures years of trouble-free service, reduces your spare inventory requirements, and provides a lower lifetime cost of ownership.

# FSS Frequency Selectable Shunt



## Options

The FSS is available in ten models and provides complete coverage of all standard frequencies.

Model	Frequencies					
FSS-1A	86	114	151	210	267	
FSS-1B	267	326	392	452	522	560
FSS-1C/2C	630	686	753	816	881	979
FSS-2A	86	114	151	210	267	
FSS-2B	267	326	392	452	522	560
FSS-1D	86	114	156	172	211	
FSS-1E	211	285	348	430	525	
FSS-1F/2F	430	525	645	790	970	
FSS-2D	86	114	156	172	211	
FSS-2E	211	285	348	430	525	

## Applications

The FSS is compatible with all NBS-1 or NBS-2 application guidelines.

FSS-2A, FSS-2B, FSS-1C/2C, FSS-2D, FSS-2E, and FSS-1F/2F are all functionally identical to the NBS-2. They can be used to replace any NBS-1 or NBS-2 without adversely affecting pre-existing overlapping approaches.

The FSS-1 is functionally identical to the NBS-1. It can be used as a direct replacement for an NBS-1, but it should not be used to replace any pre-existing NBS-2.

Refer to the applicable crossing warning system manual for detailed application instructions.

## Accessories

Complementing the FSS is a new line of dummy track loads. Each new load is constructed of single toroidal inductor mounted on a PC board (2.5" long by 1.7" wide). The dummy loads are specifically designed to be mounted inside the FSS enclosure. They can also be mounted on any terminal block with one-inch centers.

The following dummy load lengths are available:

250'	500'	750'	1000'
1250'	1500'	1750'	2000'
2250'	2500'	2750'	3000'
3250'	3500'	3750'	4000'

## Specifications

### Impedance Characteristic

FSS-1: low  
FSS-1/2: high  
FSS-2: high

### Dimensions

Length: 14 inches  
Diameter: 6.5 inches

### Weight

23 pounds

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