












**Color Light**

	HC-1	\$17.95
	NC-1	\$17.95
	OC-1	\$19.95
	1SC-1	\$34.95
	LC-1	\$35.95
	ECS	\$39.95



**Search Light**

	HS-1	\$16.95
	NS-1	\$16.95
	OS-1	\$19.95
	1S-1	\$34.95
	LS-1	\$35.95
	ESS	\$39.05

	HC-2	\$18.95
	NC-2	\$20.95
	OC-2	\$22.95
	1C-2	\$37.95
	LSC-2	\$39.95

	HS-2	\$18.95
	NS-2	\$19.95
	OS-2	\$22.95
	1S-2	\$37.95
	LS-2	\$39.95

	HO G-Type	\$18.95
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	HO Sun Bonnet	\$18.95
	LSCB-1	\$37.95

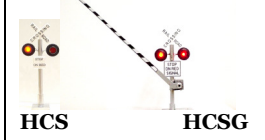
Dwarfs for HO N & O



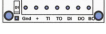

All Scales price \$8.95



NCD, HCD, OCD + XX  
XX = (G/R or Y/R)  
LSD (Large Scale G/R)  
\$14.95 LDS Switch  
\$6.95

HSD-1, NSD-1, OCD -1  
Searchlight Dwarf \$8.95



	CF	\$14.95
	CFD	\$18.95
	CFD-IF	\$19.95
	LSDS-C	\$39.95

NCS	\$14.95
HCS	\$14.95
HCSG	\$19.95
OCS	\$16.95
LCS	\$34.95
LCSP 2	\$64.95




Crossing Packs CSP  
2 signals + 1 CF or CFD  
x=Scale  
xCSFP \$34.95  
xCFD \$38.95  
CFD-IFP \$39.95

Crossing Bell  
HO N or O  
\$20.00

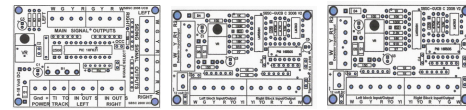
Crossing Pack (CSGP)  
X= Scale  
xCSGFP \$49.95

Large Scale \$24.00	xCSGDP	\$54.95
HTS Traffic Signal \$9.95	TCU Traffic Control Unit All Scales \$18.95	HTSP OTSP 4 TC + TCU \$49.95
OTS Traffic Signal \$10.95		

**Ho Track Side Accessories**

	Relay Shed \$1.00		Relay Cabinet & (2) Battery Boxes \$1.00
	Servo Control Unit		\$21.95 Crossing Pack with 2 SCU 2 crossing signals + CFD or CFD-IF \$84.95

**Block Control Systems**



DSD

DSDIF

LSD

Detector/Signal Driver (HO N or O)

DSD Price: \$29.95

IF Detector/Signal Driver (HO N or O)

DSDIF Price: \$29.95

DS Detector Set \$9.95

Detector/Signal Driver (Large Scale)

LSD Price: \$39.95

LDS: Detector set \$14.95

Block Packs:

Block Packs include one DSD, DSDIF, or LSD and your choice of signals (Searchlight or Color Light **Single Target**)

Price: HO or N Scale \$54.95

O Scale \$58.95

1 Scale \$99.95

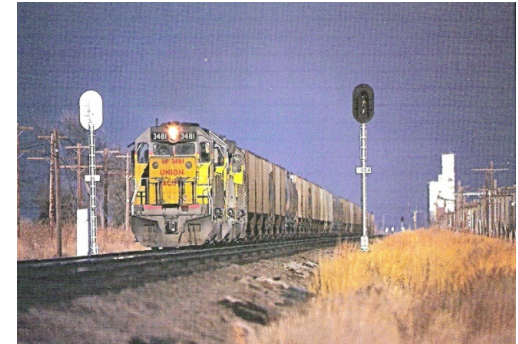
Large Scale \$107.95

We stand by our products. If there are any problems with any product that you purchase from us, we will work with you to make it right.

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**South Bend Signal Company LLC**

**"Making Your Railroad Real"**



**Products Catalog**

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# South Bend Signal Company LLC Products Catalog

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Welcome to South Bend Signal Company. We offer a complete line of signals including Searchlight, Color Light, and Grade Crossing signals. Our products are designed with quality as well as being functional.

## Features:

### Search Light Signal Features:

- Search Light signals have one LED lamp per target. Each LED is bicolor, two wire, solid state.
- Each LED is capable of displaying both green or red aspects.
- Each LED is also capable of displaying a yellow aspect with the appropriate circuitry.
- All signals come with current limiting resistors for 5v or 12v operation.
- LEDS are common cathode (-) wired. Bringing either lead to positive (+) will display the corresponding color.

### Color Light Signal Features:

- Color Light signals have one LED for each color aspect (green, yellow, or red).
- LEDS are common anode wired. Bringing a lead to ground (-) will display the corresponding color.
- All signals come with current limiting resistors for 5v or 12v operation.

### General Features:

- All signals come completely assembled.
- All block signals come painted with black targets and silver base, mast, ladder, platform, and finials.
- All signals are pre-tested.
- Current limiting resistor for 5v or 12v
- Each signal comes with installation and operating instruction.
- 

## Crossing Control Systems

### Grade Crossing Signal Features:

- Grade crossing signal comes with 2 red LED lamps wired for alternating illumination with current limiting resistors on board, cross buck, warning sign, and base.

### Grade Crossing Flasher Unit (CF):

- This unit controls the alternating illumination of Grade Crossing Signals.
- 12-18v operation
- built-in current limiting resistors

- can be used with DSD for activation or use other detection devices or simple on/off switch.

**Grade Crossing Flasher Detector Unit (CFD):** Same features as Flasher Unit above with built-in detector uses on DSD.

**Grade Crossing Flasher Detector Unit (LDS-D-C & CFD-IF):** The LDS-D-C uses an Infrared detector system housed in a Relay Cabinet.

## Block Control Systems

### Detector/Signal Driver Unit (DSD) Features:

The DSD is a detector/signal driver providing detection and signaling for searchlight or color light signals using a current sensing system.

- The DSD provides detection and signal logic for either search light or color light signals for a single block of track.
- compatible with DC or DCC systems.
- can be used on HO, N, or O gauge systems with 12v and maximum 4amp output.
- will provide detection and signal driving for one block of track.
- bi-directional providing detection and signaling on single-track mains in both directions.
- drives LED type signals. (Search Light: bicolor; D-Type-common anode). It will not drive three wire bicolor LEDS or incandescent lamps).
- can control either search light or color light type signals.
- Current limiting resistors for LEDS installed
- Can be interlocked with turnouts
- Uses 12-18v DC for operation.
- 

### Detector/Signal Driver Infrared (DSDIF)

The DSDIF is a detector/signal driver providing detection and signaling for searchlight or color light signals using an infrared detection system with either a **Stand Alone** (yellow automatic but not real-time aspects) or **ABS** (absolute block Signal system with real time aspects).

### Specifications

- 12 -18 volt DC operation (unregulated)
- 100 ma power draw per board
- Uses infrared state –of-the-art detection device
- Drives bicolor LEDS (three-wire common ground type)\*
- Is capable of all three aspects (green, yellow, and red)
- Bi-directional providing signal control in both directions of travel
- Two detectors one for each end of the signal block
- Compatible with any train control system: DC, DCC Battery, or live steam
- For indoor use. Works in any light conditions

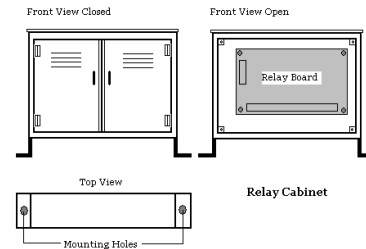
- will not drive two-wire LEDS

### Large Scale Detector/Signal Driver (LDS-D)

The LDS-D is a detector/signal driver providing detection and signaling for searchlight or color light signals using an infrared detection system with either a **Stand Alone** (yellow automatic but not real-time aspects) or **ABS** (absolute block Signal system with real time aspects). It comes in a Relay Cabinet.

### Specifications

- 12 -18 volt DC operation (unregulated)
- Uses infrared state –of-the-art detection device
- Drives bicolor LEDS (three-wire common ground type)\*
- Is capable of all three aspects (green, yellow, and red)
- Bi-directional providing signal control in both directions of travel
- Two detectors one for each end of the signal block
- Compatible with any train control system: DC, DCC Battery, or live steam
- For indoor use. Works in any light conditions
- \*will not drive two-wire LEDS



## Large Scale Relay cabinet for LDS-D and LDS-D-C

## Traffic Control System

### Traffic Control Unit

- 12-18 volt DC operation
- Able to control 4 traffic signals
- Built in LED current limiting resistor
- Complete manual for installation and operation

### Prefix Designations:

**H= HO Scale**

**N= N Scale**

**O= O Scale**

**1S= 1 Scale: 1:32**

**L= Large Scale: 1:126 for 1:29 to 1:22 Scales**