



# VITAL LIGHT OUT NEUTRAL RELAYS

## **Alternating Or Direct Current Vital Light Out Neutral Relays**

KB Signaling's Vital Light Out Neutral Relays verify hot, cold, and double filament lamp operation, improving overall operational efficiency. These B1 Relays operate on either Direct Current or Alternating Current.



**KB SIGNALING™**

# Vital Light Out Neutral Relays

## General Description

KB Signaling's Vital Light Out Neutral Relays are used to detect signal lamp failures, thereby reducing unnecessary train stops. Should a signal lamp burn out, the Vital Light Out Neutral Relay causes a secondary indication to display. Secondary indications can include a more restrictive aspect, a warning light displayed on the back of the signal, or an auxiliary light unit.

The Vital Light Out Neutral Relays are available in two coil configurations. One configuration uses a pair of low resistance coils wired in series, while the other has both upper and lower resistance coil windings. Relays with low resistance windings are used for hot-filament checks. Relays with both low- and high-resistance ratings are used for hot and cold filament checks. When double filament lamps are used, specific relays are available to either remain picked or drop away when the major filament opens.



## Relay Ordering Information

Contacts	Nominal Resistance $\Omega$	Use with Lamp Volts @60 Hz	Watts (Major/Minor)	Application Limits	Ordering Information		Replacement Ordering Information		
				Max Pickup (Amps)	Relay Catalog No.	Relay Part No.	Contact Group 1 P/N	Contact Group 2 P/N	Contact Group 3 P/N
4FB AgC-S(MD), S-S (HD)	0.24	10	5 $\sqrt{}$ /3.5	0.66 ADC 0.72 AAC	A62-0211	56001-785-35**	56012-108-06		56012-108-06
	0.4	10	13 $\sqrt{}$ /3.5	0.297 ADC 0.308 AAC	A62-0213	56001-785-55**			
	U 450 L 0.45	10	5	U 0.0143 L 0.407	A62-0215	56001-785-59***			
	U 450 L 0.069	10	18/3.5	U 0.0165 L 1.59	A62-0217	56001-785-61***			
	U 450 L 0.12	12-16	18	U 0.0121 L 0.925	A62-0221	56001-873-01***			
4FB AgC-S(HD), S-AgC (HD)	U 450 L 0.069	10	18/3.5	U 0.0165 L 1.59	A62-0616	56001-959-01***	56012-108-07		56012-108-07
4F-2B AgC-S (MD), S-S(HD)	U 450 L 0.61	10	18 $\sqrt{}$ /3.5	U 0.0115 L 0.303	A62-0236	56001-865-01***	56012-108-02		56012-108-02
6FB AgC-S(MD), S-S(HD)	U 450 L 0.2	10	10	U 0.0165 L 0.880	A62-0231	56001-785-10***	56012-108-08	56012-108-06	56012-108-06

### Notations

FB:	Front-Back dependent contacts	L:	Lower coil
AgC:	Silver-impregnated Carbon	**	Hot-filament checks
S:	Silver	***	Hot and cold filament check
MD:	Medium Duty	$\sqrt{}$ :	Upon failure of the Major, the Minor continues to draw current and the relay remains picked
HD:	Heavy Duty		
U:	Upper coil		

Contact your KB Signaling Business Development Manager

Call 1-800-825-7090, or Email us at [aso.techsupport-kb@alstomgroup.com](mailto:aso.techsupport-kb@alstomgroup.com) for more information today

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