

# TWO HANDED SAFETY RELAY - BD5980N


## SAFEMASTER



SPECIFICATIONS
CE, BG,  US
Input voltage: 24V DC, 24, 110, 230V AC +/-10%
Dual voltages: 24V DC and 24V AC, 24V DC and 110V AC
Safety category 2 per DIN EN954-1
Contact ratings: 5A @ 230V AC
45mm wide

KEY FEATURES
<ul style="list-style-type: none"> <li>• 2 N.O. safety contacts</li> <li>• Two hands must be accounted for BEFORE and during dangerous machine operation</li> <li>• Optional dual voltage available</li> <li>• Achieves EC directive for machine 98/37/EG and safety level type III-A per EN 574 (02-1997)</li> </ul>

**CATEGORY 2**



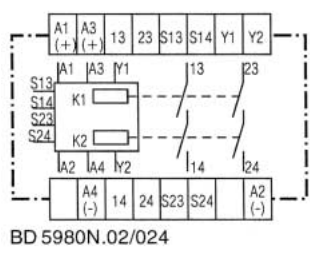
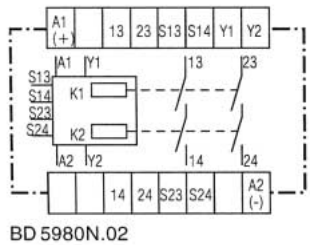
BD5980N Series

Part#	Safety Contacts	Input Devices	List
BD5980N.02	2 N.O.	2	\$280

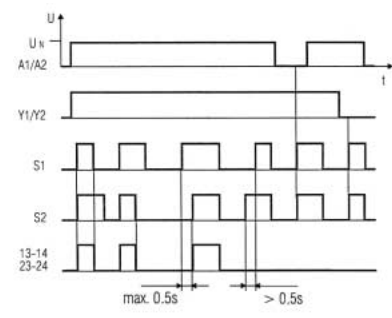
**Voltage Code:**  
 For 24V DC ONLY add suffix "N" to BH P/N  
 For 24V AC add suffix "G" to BH P/N  
 For 110V AC add suffix "A" to BI P/N  
 For 230V AC add suffix "C" to BI P/N

**Example:** For a 2 N.O. @ 24V DC safety module, P/N will be BD5980N.02-N

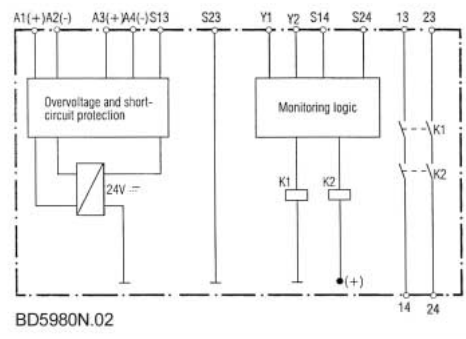
### Circuit Diagram



### Function Diagram



### Block Diagram



**Note:** Dual voltage units are NOT UL.

For application examples, see page 77.