

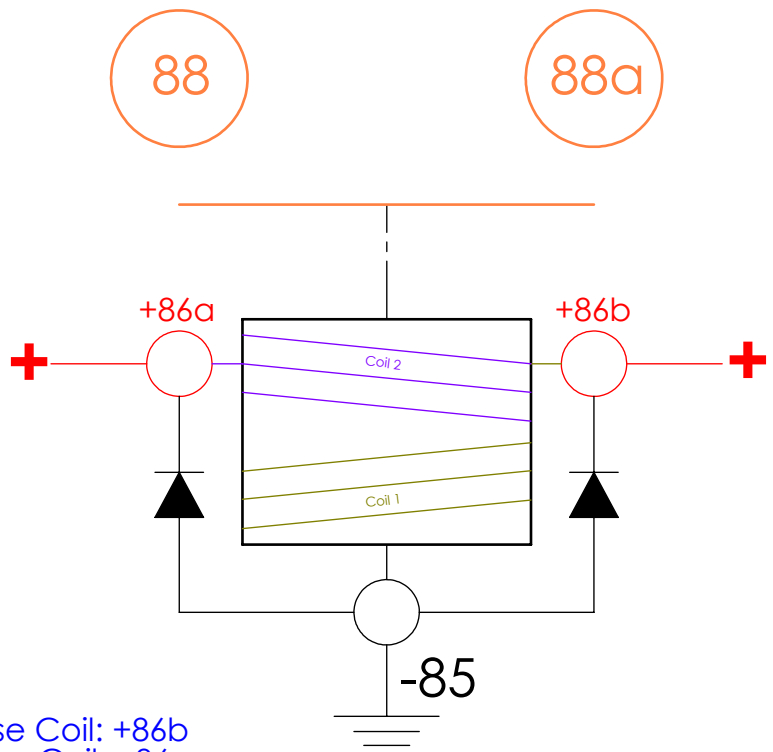
# Fundamental circuit differences in high side and low side relay operation

DRAWING NUMBER REV.

**A BI-STABLE RELAY A**  
SHEET 1 OF 1

## High Side Operation (Standard)

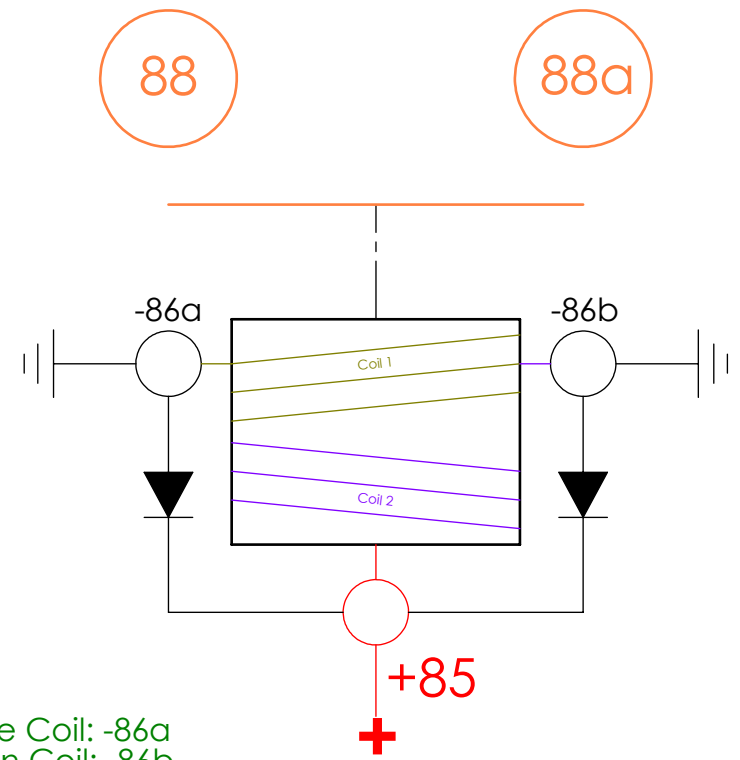
Bi-stable relay with dual coils, open bridge contact



Close Coil: +86b  
Open Coil: +86a  
Common: -85 Negative/Ground  
Discrete: +Coil Inputs  
Diode Polarity (Standard)

## Low side operation (Optional)

Bi-stable relay with dual coils, open bridge contact



Close Coil: -86a  
Open Coil: -86b  
Common: +85 Input  
Discrete: -Coil Negative/Grounds  
Diode Polarity Reversed

Main Terminals: 88 and 88a (No polarity)


\* Informational purposes only \*

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	NAME	DATE
DRAWN	JRT	6-1-22
CHECKED		
ENG APPR.	RMF	6-1-22
MFG APPR.		
Q.A.		

DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL ± 1/32  
ANGULAR: MACH ± BEND ±  
TWO PLACE DECIMAL ± .010  
THREE PLACE DECIMAL ± .005



308 COMPONENTS DRIVE, SMITHFIELD, NC 27577 USA

DO NOT SCALE DRAWING

TITLE: **BI-STABLE RELAY OPERATION**

MATERIAL: - FINISH: -  
BLANK WEIGHT: - PART WEIGHT: -

SIZE **A** DWG. NO. **BI-STABLE RELAY** REV. **A**  
SHEET 1 OF 1

SCALE: 1:2 FILENAME: BI-STABLE RELAY WWW.SHALLCO.COM