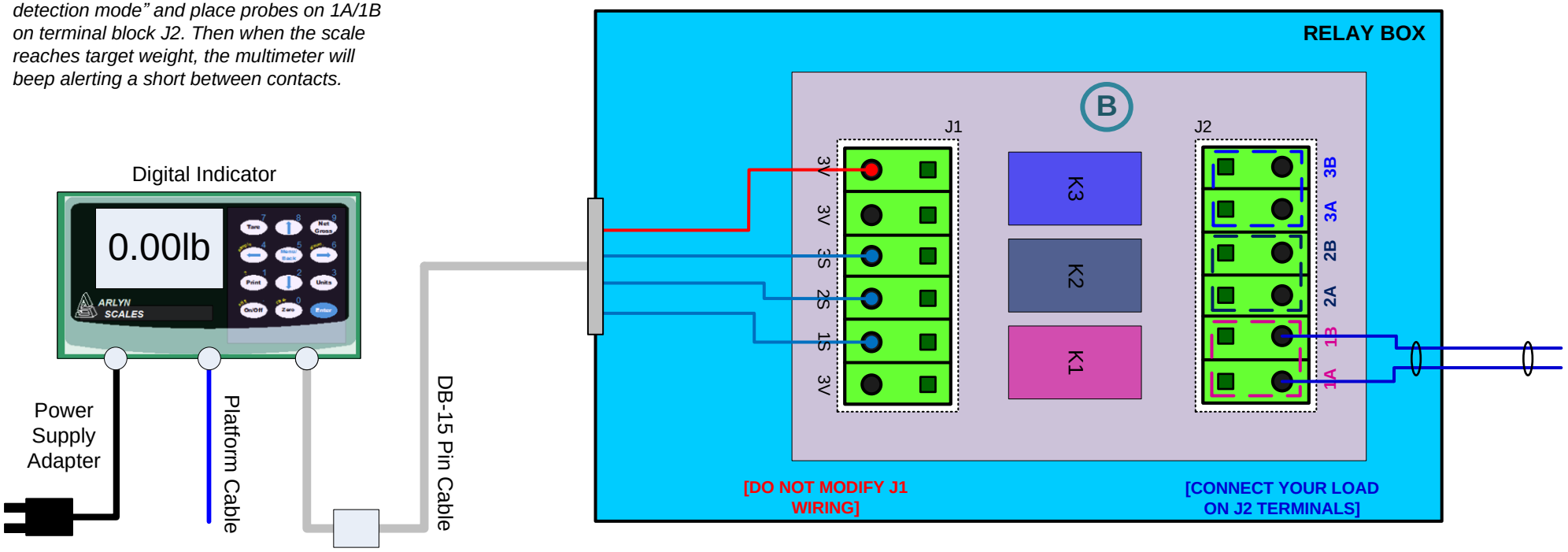
This diagram shows the layout of the "Dry Contact" Coil Relay provided by Arlyn Scales. Your system may come with one or more relays. In this example, a 3-relay box is used as an illustration.

When a relay (e.g. K1) is actuated "ON" by the scale, the corresponding contacts in terminal block J2 (e.g. 1A and 1B) will short.

To test this, set a multimeter in "short detection mode" and place probes on 1A/1B on terminal block J2. Then when the scale reaches target weight, the multimeter will beep alerting a short between contacts.

SCALE SIDE (SETPOINT ACTUATOR) (J1)
3V – Common voltage from Scale (Sink Configuration)
1S – Setpoint Input 1 (Actuator for Relay #1)
2S – Setpoint Input 2 (Actuator for Relay #2, if connected)
…
[DO NOT MODIFY WIRING ON THIS SIDE]



LOAD SIDE (RELAY CONTROLLED OUTPUT) (J2)
1A/1B – Switch Inputs from Coil Relay 1
2A/2B – Switch Inputs from Coil Relay 2
…
[CONNECT SWITCHING LOAD HERE]

"DRY CONTACT" COIL RELAY RATINGS

Initial contact resistance (By voltage drop 6 V DC 1 A)		Max. 100 mΩ
Contact material		Gold-clad silver alloy
Rating	Nominal switching capacity (resistive load)	1 A 30 V DC, 0.3 A 125 V AC
	Max. switching power (resistive load)	30 W (DC), 37.5 VA (AC)
	Max. switching voltage	110 V DC, 125 V AC
	Max. switching current	1 A
	Min. switching capability ※1	1 mA 1 V DC

PROPRIETARY
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TITLE
"Dry Contact" Relay Layout

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