

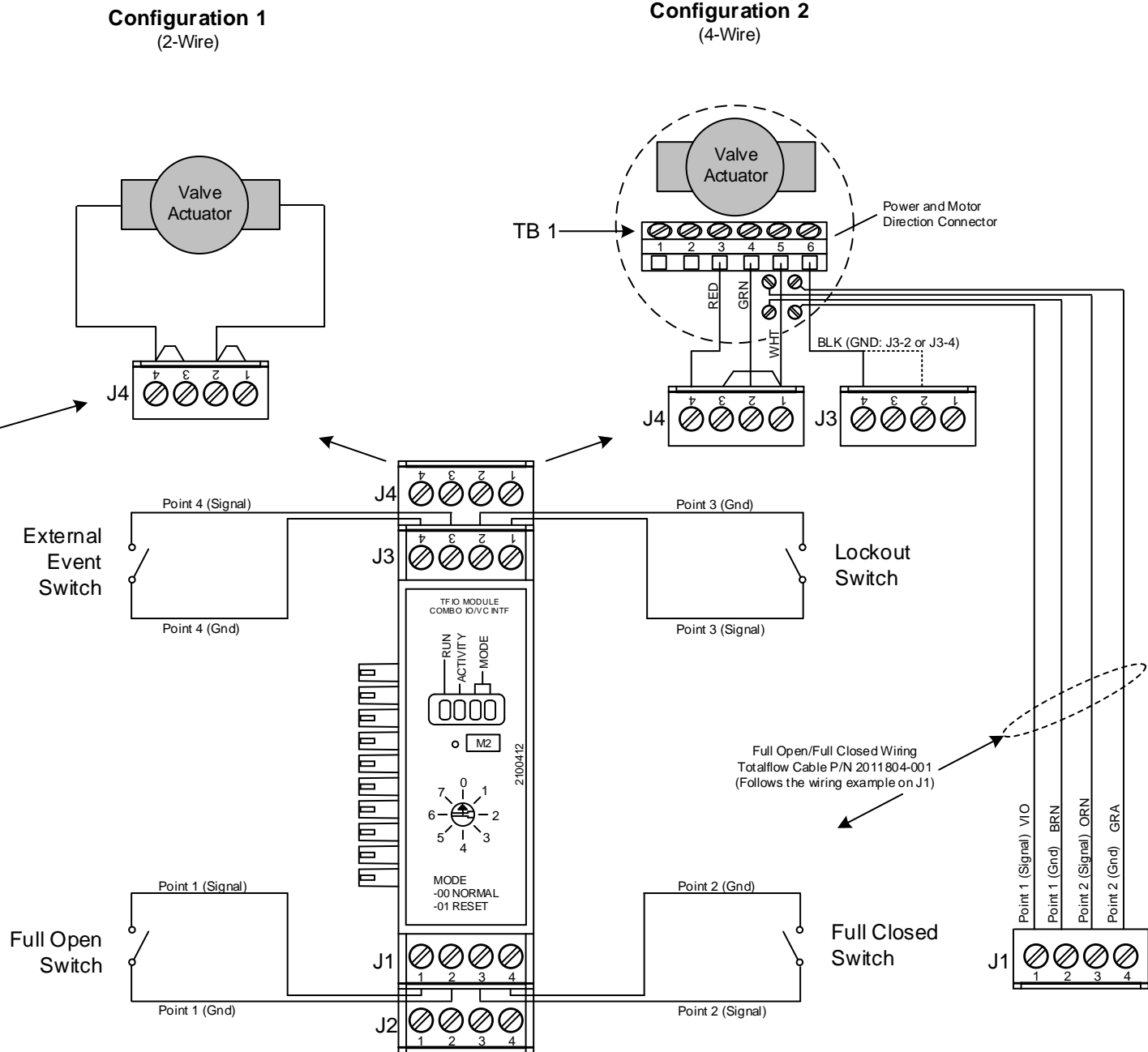
NOTES:

1. **WARNING:** This drawing does not illustrate the installation methods required for hazardous locations. Prior to any installation in a Classified Hazardous Location, verify installation methods by the Control Drawing referenced on the product's name tag and national and local codes.
2. Maximum Source and Sink current to valve actuator is 2 amps. (18 ga. wire suggested)
3. Jumpers on J4 must also handle 2 amps. (18 ga. wire suggested)
4. If valve direction is backwards, swap actuator wires coming to J4 terminals 2 & 4.
5. The 1st valve control module is address '0', 2nd module is address '1', etc.

Due to the number of actuators supported by Configuration 1, individual terminations are not shown.

These Valves may have Contact Closure Wiring for Full Open and Full Closed settings. If that is the case, follow the wiring example shown on J1.

6. 'Local Lockout' activated by closed contact.
7. 'External Event' activated by closed contact.
8. LED Indicators:
Run LED – Blinking indicates on-board PIC running.
Activity LED – Blinking indicates buss activity.
Mode LED – 00 = Normal 01 = Reset
9. LED Operation:
Register 0.7.7 = 0 – Power Save Mode (LEDs off when MMI disconnected)
Register 0.7.7 = 1 – LEDs on all the time.
10. TFIO modules with the M2 designation are designed to operate at 12 and 24 volts. All other functions of the module are the same.



REF: NA

ABB	TOTALFLOW	ACTION	DOC TYPE	TITLE	DWG NO.	REV	SHEET
	Products	L37470	UD	TFIO MODULE (COMBO IO/V/INTF) DIGITAL VALVE CONTROL	2105861	AA	1 OF 1