Factory default for the output relay is set to "During Run", the Multi-Function Output Selection Parameter n040 should be set to "0" in order to indicate the FAULT via relay output.

MA	Multi-function contact output – NO contact	Factory Setting is **"Drive Running"**	Contact capacity: 250 Vac at 1A or below 30 Vdc at 1A or below
MB	Multi-function contact output – NC contact		
MC	Multi-function contact output – Common		

Other settings for the Multi-Funtion Relay Output by the parameter n040.

Table 5-3. Multi-function Output Terminals

Set Value	Description	
	Condition	Signal Level
0	Fault	Closed = Drive fault has occurred (except CPF0, CPF1)
1	During operation	Closed = Drive is operating
2	Speed at set frequency	Closed = Frequency Reference = output frequency See paragraph 5.18A
3	Zero Speed	Closed = Drive is at zero Hz.
4	Frequency detection - low	Closed = Output frequency ≤ *n58*. See paragraph 5.18B
5	Frequency detection - high	Closed = Output frequency ≥ *n58*. See paragraph 5.18C
6	Overtorque detection (N.O. contact)	Closed = Overtorque detected See paragraph 5.19
7	Overtorque detection (N.C. contact)	Open = Overtorque detected See paragraph 5.19
10	Alarm (minor fault)	Closed = Alarm condition is present
11	During coast to stop	Closed = Drive output base block is active; motor is coasting
12	Local/Remote	Open = Frequency and Run Command by ext. input; Closed = Frequency and Run Command by Digital Operator
13	Operation ready	Closed = Drive is ready for operation (not faulted)
14	Auto-restart	Closed = During auto-restart operation
15	During Undervoltage	Closed = Drive has an undervoltage fault or warning
16	During Reverse run	Closed = Drive operation in reverse
17	During Speed Search	Closed = Drive performing a speed search
18	Serial communication	Closed = Command from serial communication

Note: Earlier versions of the J7 Drive were named GPD 305/J7, GPD 305 or VS Mini J7.