

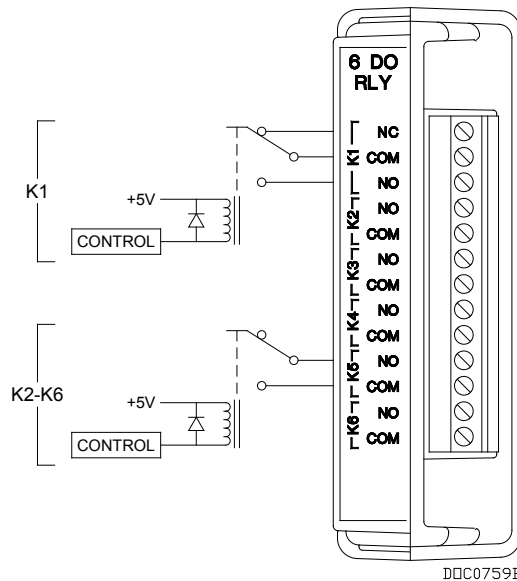
# FloBoss™ 107 Discrete Output Relay Module

The Discrete Output Relay (DOR) module for the FloBoss™ 107 Flow Manager (FB107) provides the FB107 with the ability to control various discrete output field devices. The FB107 can support up to six number of I/O modules.

DOR modules provide six channels of discrete outputs. The DOR modules use dual-state relays to provide one Form C relay and five normally open, dry contacts capable of switching 1 amp at 30 Volts dc across the complete operating temperature. Each channel can be software configured as latched, toggled, momentary, or Timed Duration Outputs (TDO). Each output can be configured to either retain the last value on reset or set to a user-specified

fail-safe value. Light-emitting diodes (LEDs) indicate the status for each channel of the module.

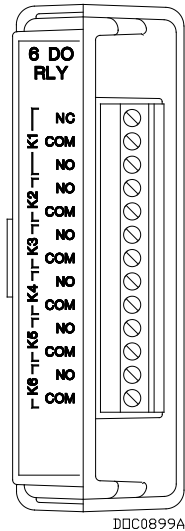
The DOR modules each have their own integrated short-circuit protected power supply. These modules can be installed in any module slot and can easily be installed or removed from the module slots at any time. The modules are also self-identifying via ROCLINK™ 800 Configuration Software. The modules have removable terminal blocks for convenient wiring and servicing. The terminal blocks can accommodate a wide range of wire gauges 16 to 24 American Wire Gauge (AWG).



Internal Circuitry, DOR Module

## FB107 Discrete Output Relay Module

### Field Wiring Terminals



Terminal	Label		Definition
1	K1	NC	Normally Closed
2		COM	Common
3		NO	Normally Open
4	K2	NO	Normally Open
5		COM	Common
6	K3	NO	Normally Open
7		COM	Common
8	K4	NO	Normally Open
9		COM	Common
10	K5	NO	Normally Open
11		COM	Common
12	K6	NO	Normally Open
13		COM	Common

### Discrete Outputs

Quantity	6-channel; one Form C relay and five normally open, dry contacts.	
Type	Isolated, relay.	
Contact Rating	0 to 30 Vdc	
Maximum Current	1 A @ 30 Vdc per output across complete operating temperature.	
Frequency	10 Hz maximum	
Minimum Channel Activation Time	50 ms	
LEDs	6 green LEDs indicate the status of the channel.	
Isolation	Field to Logic	1500 Vdc, 1 minute minimum.
	Field to Power	1500 Vdc, 1 minute minimum.

### Power

Consumption	Main power supply loading at the Battery Terminals (at 12 Vdc):	
	No Channels Active	11 mA
	All Channels Active	77 mA

### Physical

Dimensions	82.55 mm H by 25.4 mm W by 127 mm L (3.25 in. H by 1.0 in. W by 5.0 in. L)
Weight	68 g (2.4 oz.)
Wiring	16 to 24 AWG at the removable terminal block

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**Environmental**

Same as the unit in which it is installed.

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**Approvals**

Same as the unit in which it is installed.

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