

### **DUAL** Dry Output Modules

**Gx2-DRY5 Types**  
**Gx2-5AMP5 Types**

Fits Universal and HDX™  
High Density I/O Racks

## Description

Gx2™-Series DRY OUTPUT Modules offer dual density I/O packaging with the same versatility and module size of single G-type modules. This series provides the highest number of I/O points in the minimum space of all our I/O lines with plug-in design when used with our HDX™-Series I/O racks.

Two isolated outputs are each controlled independently, offering true DUAL point operation. Each output state is indicated by an LED indicator.

Fully encapsulated packaging and extended temperature range make this module ideal for harsh industrial control applications. The inputs are active-low and are compatible with TTL, CMOS and open-collector logic control signals.

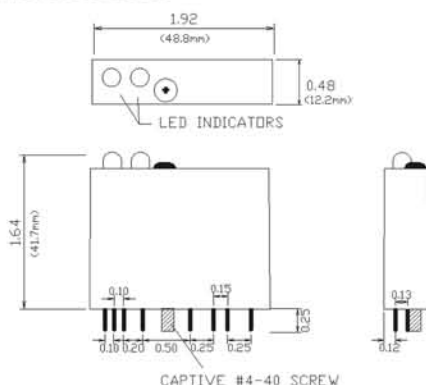
Each type offers versatile DRY CONTACT outputs, zero OFF-state leakage current, low ON-state resistance, low minimum load current operation, high power factor load switching as well as the capability to control large and small signal voltages. Available types include 5V, 12V, 15V and 24V logic operation and FORM A (normally open) up to 5 Amp types, FORM C up to 5 Amp types.



## Features

- AC/DC Switching
- Dual Point I/O Packaging
- Integral LED Indicators
- < 10mSec Switching Time
- Black Color Code
- High Reliability
- Captive #4-40 Screw
- Operating Temp. -20°C to +70°C
- 3 Year Factory Warranty

## Dimensions



## Output Contact Specifications

PARAMETER	Gx2-DRY FORM 2A Reed Models	Gx2-DRY FORM 1C & 2B Reed Models	Gx2-5AMP FORM 2A, 1C 5 Amp Models	UNITS
Switching Voltage	175/250	175/250	250/30	ac/dc Volts
Switching Current (Resistive)	1	0.5	5	Amps
Switching Current (Inductive)	—	—	2	Amps
Power Rating	—	—	150	Watts
Horse Power Rating	—	—	1/10	H.P.
VA Rating	20	10	1250	VA
Initial Contact Resistance	0.15	0.15	0.03	Ohms
Min. Recommended Load	0.01	0.01	100	mA

Dimensions are in inches except where noted otherwise.

**Gx2-DRY5 Types**  
**Gx2-5AMP5 Types**

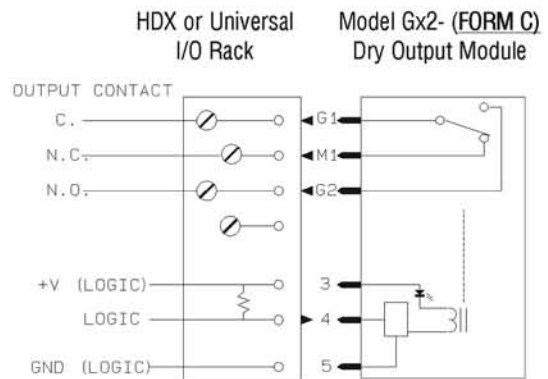
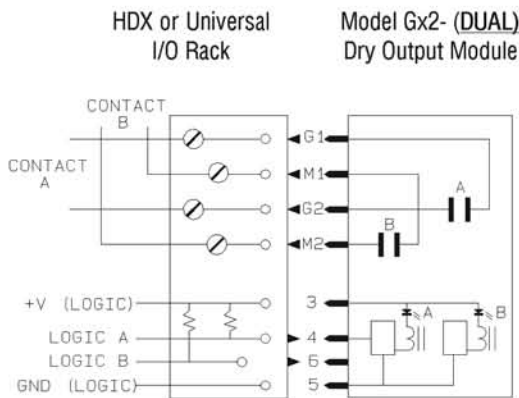
# DUAL Dry Output Modules

**\*Absolute Maximum Ratings**

Supply Voltage (between pins 3 & 5).... (see below)  
 Logic Input (pins 4 & 5).....  $\pm V_{cc}$   
 Ambient Operating Temperature..... (see below)

**\*NOTE:** STRESSES ABOVE THOSE LISTED UNDER ABSOLUTE MAXIMUM RATINGS MAY CAUSE PERMANENT DEVICE DAMAGE. OPERATION AT THESE RATINGS FOR EXTENDED PERIODS MAY AFFECT RELIABILITY.

**Connection Diagrams [DUAL & FORM C]**



**Available Configurations**

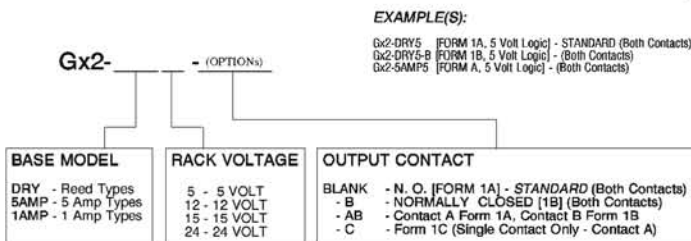
MODEL	FORM	2xA	2xB	1A/1B	1C
		D	D	D	S
Gx2-DRY_		X	X	X	X
Gx2-5AMP_		X			X

D - DUAL MODULE  
 S - SINGLE FORM C MODULE

**Recommended Operating Parameters**

SYM	PARAMETER	LIMITS			UNIT	CONDITION
		MIN	TYP	MAX		
Vcc	Supply Voltage (Gx2-DRY5) (Gx2-DRY12) (Gx2-DRY15) (Gx2-DRY24)	4.5 10.8 13.5 21.6		5.25 14.0 18.0 28.0	Vdc	Pins 3 & 5
Icc	Supply Current (Gx2-DRY5) (Gx2-5AMP5)		24 90	32 100	mAdc	A & B Energized
TA	Ambient Temp. (Gx2-DRY) (Gx2-5AMP)	-40 -20		+85 +70	°C	Operating
top	Operate Time (Gx2-DRY) (Gx2-5AMP)		0.5 6	1 10	mSEC	
VIL	Input Logic Voltage Low		1.0	0.8	V	5 volt types
VIH	Input Logic Voltage High	3.0	2.4		V	5 volt types
Viso	Isolation Voltage (Gx2-DRY) (Gx2-5AMP)	1000 3000			Vac	Coil-contact for 60 seconds
IL	Input Logic Low Current (Gx2-DRY) (Gx2-5AMP)			-0.5 -2.5	mA	5 volt logic is shown. No input high current required. Unit may be driven by Open Collector logic.

**Part Numbering**



**NOTE:** A maximum difference of potential between pins M1 & G2 is normally 30 volts for UL standard #508. If a common circuit feed is used, it is recommended that these pins be tied as common. Otherwise a 0.030" surface spacing requirement will apply.