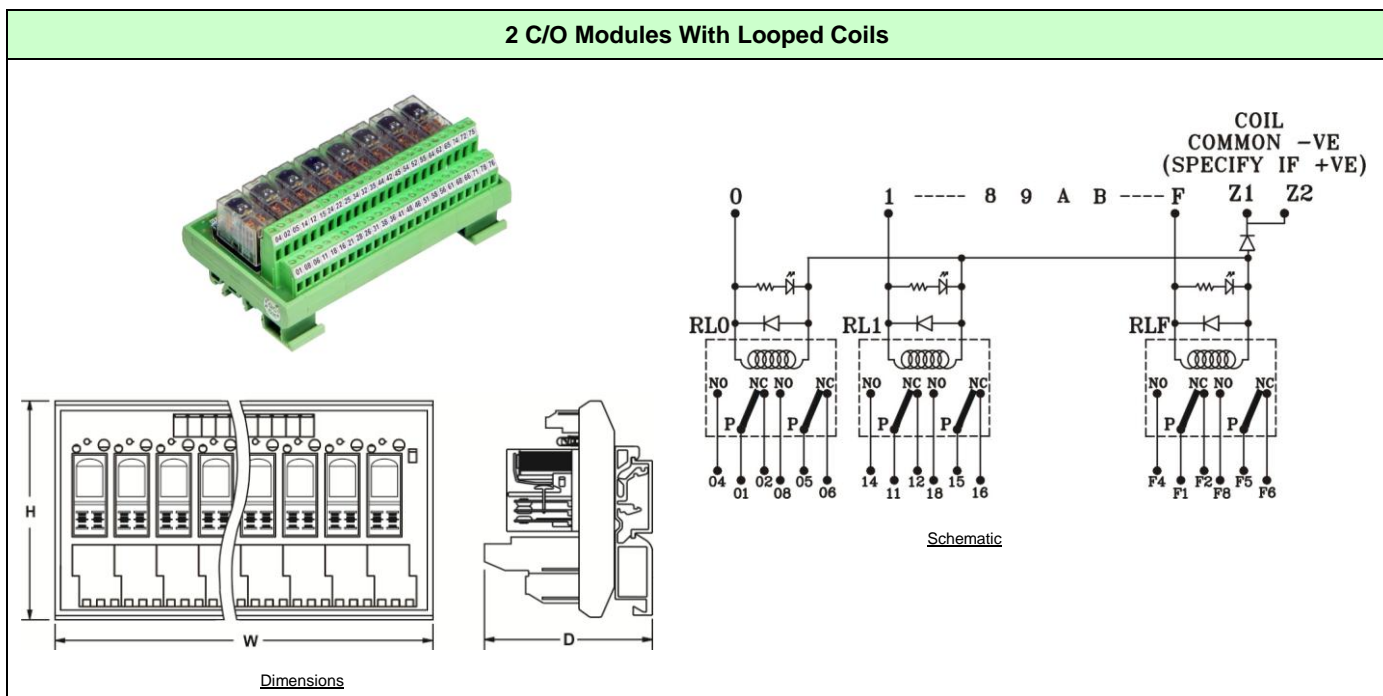


2 C/O RELAY INTERFACE MODULES

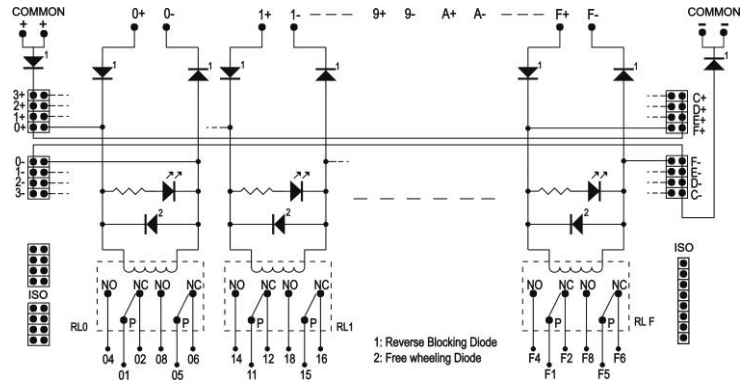
2 C/O Modules With Looped Coils



FEATURES	LED & Free wheeling diode across coil Reverse Polarity blocking diode							
CONTACT CONFIGURATION	2C/O							
NO. OF CHANNELS	1, 2, 4, 8, 12, 16							
RELAY	NOMINAL COIL VOLTAGE	5VDC	6VDC	12VDC	24VDC	48VDC		
	MUST OPERATE VOLTAGE	4.7VDC	5.5VDC	10.3VDC	20.3VDC	39.1VDC		
	MUST RELEASE VOLTAGE	1.7VDC	1.9VDC	3.1VDC	5.9VDC	10.3VDC		
	MAX. COIL VOLTAGE	5.5VDC	6.6VDC	13.2 VDC	26.4VDC	52.8VDC		
	COIL CURRENT PER CHANNEL ⁽¹⁾	110mA	95mA	50mA	25mA	15mA		
	OPERATE (SET) TIME	15ms max.						
	RELEASE (RESET) TIME	20ms max.						
	ENDURANCE	Electrical : 100,000 operations min. (at 1,800 operations/hr)						
	MAX. OPERATING FREQUENCY	Mechanical : 18,000 operations/hr Electrical : 1,800 operations/hr						
DIELECTRIC STRENGTH	1. Coil to coil (when isolated) : 100VAC , 50/60 Hz for 1 minute 2. Coil to contact : 2KVAC , 50/60 Hz for 1 minute 3. Contacts of different polarity : 1KVAC , 50/60 Hz for 1 minute 4. Contacts of same polarity : 1KVAC , 50/60 Hz for 1 minute 5. Contacts - channel to channel : 1.5KVAC, 50/60 Hz for 1 minute							
CONTACT RATING	RELAY	5A@28VDC/230VAC						
	ON BOARD	5A@28VDC/230VAC						
OPERATING AMBIENT	0~55°C, 85% RH							
STORAGE AMBIENT	-20°C to 85°C							
TERMINATIONS	COIL TERMINATION	Screw type, for 1.5mm sq. wire						
	CONTACT TERMINATION	Screw type, for 2.5mm sq. wire						
MOUNTING	35 mm DIN rail							
ORDERING INFORMATION	AS371 - 24V - N - S - OE							
	NO. OF RELAYS	DESIGN NO.	COIL VOLTAGE	COIL LOOPING	RELAY SOCKET	RELAY MAKE	DIMENSIONS W x H x D (mm)	WEIGHT (MAX)
	1	AS371	12V : 12VDC 24V : 24VDC	N : -Ve LOOPING P : +Ve LOOPING	S : WITH SOCKET : SOLDERED	OE : OEN 58DP OL : OMRON G2RL	24 x 80 x 70	70 grams
	2	AS372					46 x 80 x 70	110 grams
	4	AS373					68 x 80 x 70	200 grams
	8	AS375					137 x 80 x 70	360 grams
	12	AS376					204 x 80 x 70	550 grams
16	AS377	295 x 80 x 70					750 grams	

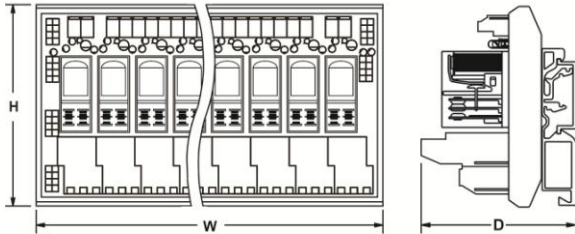
Note: 1. Current including LED current.

2 C/O Modules With Jumpers for Coil Looping & Reverse Blocking Diodes



For Negative looping of coils place jumpers at 0-, 1-, 2-, F-.
 For Positive looping of coils place jumpers at 0+, 1+, 2+, F+.
 For isolated coils place jumpers at ISO (default).

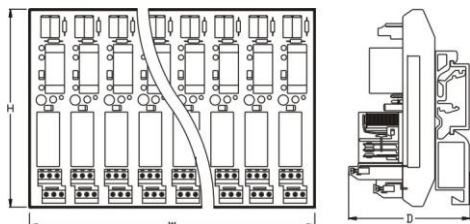
Schematic



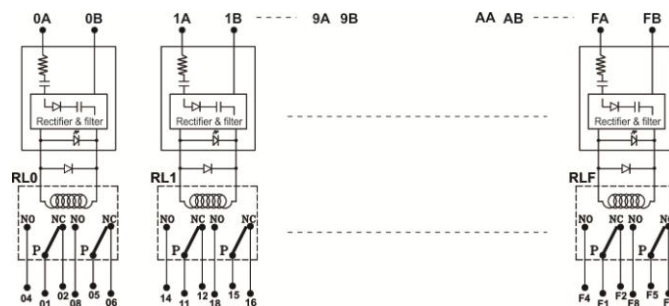
Dimensions

FEATURES	LED & Free wheeling diode across coil Jumpers for Coil Looping Reverse Polarity blocking diode					
CONTACT CONFIGURATION	2C/O					
NO. OF CHANNELS	1, 2, 4, 8, 12, 16					
RELAY	NOMINAL COIL VOLTAGE	5VDC	6VDC	12VDC	24VDC	48VDC
	MUST OPERATE VOLTAGE	4.7VDC	5.5VDC	11.0VDC	21VDC	39.8VDC
	MUST RELEASE VOLTAGE	1.7VDC	1.9VDC	3.8VDC	6.2VDC	11.0VDC
	MAX. COIL VOLTAGE	5.5VDC	6.6VDC	13.2 VDC	26.4VDC	52.8VDC
	COIL CURRENT PER CHANNEL ⁽¹⁾	110mA	95mA	50mA	25mA	15mA
	OPERATE (SET) TIME	15ms max.				
	RELEASE (RESET) TIME	20ms max.				
	ENDURANCE	Electrical : 100,000 operations min. (at 1,800 operations/hr)				
DIELECTRIC STRENGTH	1. Coil to coil (when isolated) : 100VAC , 50/60 Hz for 1 minute					
	2. Coil to contact : 2KVAC , 50/60 Hz for 1 minute					
	3. Contacts of different polarity : 1KVAC , 50/60 Hz for 1 minute					
	4. Contacts of same polarity : 1KVAC , 50/60 Hz for 1 minute					
	5. Contacts - channel to channel : 1.5KVC, 50/60 Hz for 1 minute					
CONTACT RATING	RELAY	5A@28VDC/230VAC				
	ON BOARD	5A@28VDC/230VAC				
OPERATING AMBIENT	0~55°C, 85% RH					
STORAGE AMBIENT	-20°C to 85°C					
TERMINATIONS	COIL TERMINATION	Screw type, for 1.5mm sq. wire				
	CONTACT TERMINATION	Screw type, for 2.5mm sq. wire				
MOUNTING	35 mm DIN rail					
ORDERING INFORMATION	AS391,-24V,-S,-OE					
	NO. OF RELAYS	DESIGN NO.	COIL VOLTAGE	RELAY SOCKET	RELAY MAKE	DIMENSIONS W x H x D (mm)
	1	AS391	12V : 12VDC 24V : 24VDC	S : WITH SOCKET : SOLDERED	OE : OEN 58DP OL : OMRON G2RL	24 x 80 x 70
	2	AS392				46 x 80 x 70
	4	AS393				68 x 80 x 70
	8	AS395				137 x 80 x 70
	12	AS396				204 x 80 x 70
	16	AS397				295 x 80 x 70
<p>Note : 1. Current including LED current.</p>						

2 C/O Modules With High Voltage Isolated coils



Dimensions



Schematic

FEATURES	LED & Free wheeling diode across coil					
CONTACT CONFIGURATION	2C/O					
NO. OF CHANNELS	1, 2, 4, 6, 8					
RELAY	NOMINAL COIL VOLTAGE⁽¹⁾	48VDC	110VDC	110VAC	230VAC	
	MUST OPERATE VOLTAGE	40VDC	90VDC	99VAC	207VAC	
	MUST RELEASE VOLTAGE	10VDC	20VDC	20VAC	45VAC	
	MAX. COIL VOLTAGE	55VDC	130VDC	130VAC	270VAC	
	COIL CURRENT PER CHANNEL⁽²⁾	25mA	25mA	25mA	25mA	
	OPERATE (SET) TIME	15ms max.				
	RELEASE (RESET) TIME	20ms max.				
	ENDURANCE	Electrical : 100,000 operations min. (at 1,800 operations/hr)				
MAX. OPERATING FREQUENCY	Mechanical : 18,000 operations/hr Electrical : 1,800 operations/hr					
DIELECTRIC STRENGTH	1. Coil to coil (when isolated) : 100VAC , 50/60 Hz for 1 minute 2. Coil to contact : 2KVAC , 50/60 Hz for 1 minute 3. Contacts of different polarity : 1KVAC , 50/60 Hz for 1 minute 4. Contacts of same polarity : 1KVAC , 50/60 Hz for 1 minute 5. Contacts - channel to channel : 1.5KVC, 50/60 Hz for 1 minute					
CONTACT RATING	RELAY	5A@28VDC/230VAC				
	ON BOARD	5A@28VDC/230VAC				
OPERATING AMBIENT	0~55°C, 85% RH					
STORAGE AMBIENT	-20°C to 85°C					
TERMINATIONS	COIL TERMINATION	Screw type, for 2.5mm sq. wire				
	CONTACT TERMINATION	Screw type, for 2.5mm sq. wire				
MOUNTING	35 mm DIN rail					
ORDERING INFORMATION	AS431-230VAC-S-OE					
	NO. OF RELAYS	DESIGN NO.	COIL VOLTAGE⁽¹⁾	RELAY SOCKET	RELAY MAKE	DIMENSIONS W x H x D (mm)
	1	AS431	DC VOLTAGE 48VDC 110VDC	S : WITH SOCKET : SOLDERED	OE : OEN 58DP OL : OMRON G2RL	24 x 115 x 70
	2	AS432				46 x 115 x 70
	4	AS433	AC VOLTAGE 110VAC 230VAC			91 x 115 x 70
	6	AS434				137 x 115 x 70
	8	AS435				159 x 115 x 70
	WEIGHT (MAX) 90 grams 160 grams 270 grams 390 grams 500 grams					

Note : 1. These modules are with basic relay of 24VDC coil along with suitable voltage converter.
 2. Current including LED current.