



Feature

- 16 Digital output channels
- Termination board break off detection
- Redundant



DN-DO-16DR-A

Termination board for digital output with high EMS protection and removable relay

Introduction


The DN-DO-16DR-A & DN-DO-16DR-B are termination boards with relay (Form C, SPDT) output. The DN-DO-16DR-A is used for digital output channel 0~15, and the DN-DO-16DR-B is used for digital output channel 16~31. These boards offer 2 output for each channel to extend control logic due to the Form C relay, it can be positive (N.O.) or negative (N.C.) logic output or both. In addition, each channel is built-in two varistors on N.O. and N.C. channel to protect against high-voltage transients and surges to the control loop.

Specifications

Digital output		
Model	DN-DO-16DR-A	DN-DO-16DR-B
Number of channels	16 (DO 0~15)	16 (DO 16~31)
Type	Form C Relay	
Relay Contact		
Contact configuration	SPDT	
Rated current/Max. peak current	6A / 10A	
Rated voltage/Max. switching voltage	250V _{AC} / 400V _{AC}	
Minimum switching load	300mW	
Mechanical life	20 x 10 ⁶	
Operate/Release time	8ms / 5ms	
Relay Coil		
Voltage input	24V _{DC} ±10%	
Current consumption	400mA @24V _{DC}	
Varistor protection		
Max. applied voltage (Continuous)	AC: 300 V _{rms} DC: 385 V _{DC}	
Rated voltage	470 V _{rms}	
General		
Dimension	126.6 x 274.6 x 25.5 mm (W x L x H)	
Mounting	35 mm DIN Rail, Wall	
Operating temperature	-25 ~ 75 °C	
Humidity	5 ~ 95 % RH, Non-condensing	


Pin Assignment

CN4



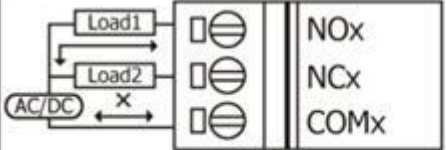
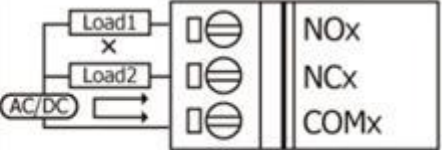
1	2	3	4	5	6	7	8	9	10	11	12
NO0	NC0	COM0	NO1	NC1	COM1	NO2	NC2	COM2	NO3	NC3	COM3
13	14	15	16	17	18	19	20	21	22	23	24
NO4	NC4	COM4	NO5	NC5	COM5	NO6	NC6	COM6	NO7	NC7	COM7

CN5

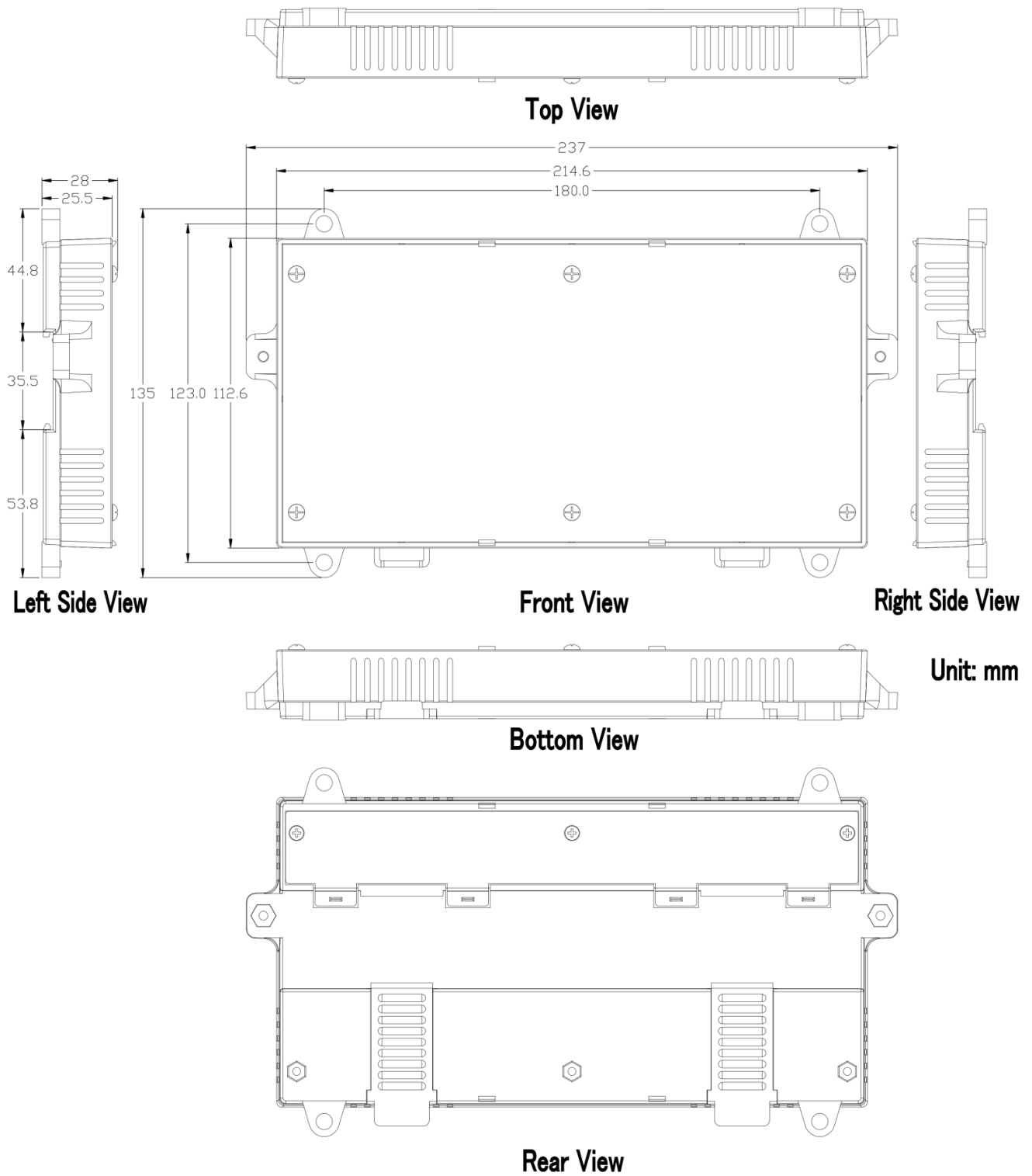


25	26	27	28	29	30	31	32	33	34	35	36
NO8	NC8	COM8	NO9	NC9	COM9	NO10	NC10	COM10	NO11	NC11	COM11
37	38	39	40	41	42	43	44	45	46	47	48
NO12	NC12	COM12	NO13	NC13	COM13	NO14	NC14	COM14	NO15	NC15	COM15

Wire Connections

Output Type	ON State LED ON Readback as 1	OFF State LED OFF Readback as 0
	Relay ON	Relay Off
From C Relay Contact		

■ Dimension (unit: mm)



■ Ordering Information

DN-DO-16DR-A CR	Termination board for digital output with high EMS protection and removable relay (Ch0 ~ 15) (RoHS)
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