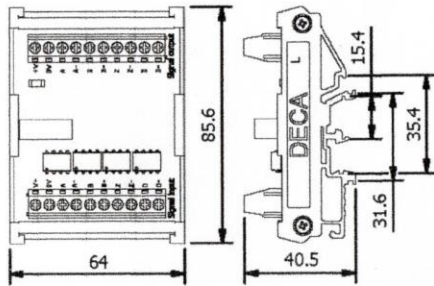




PCA 信號轉換板 Signal conversion board

INCREMENTAL ENCODER
and SENSOR CARD
SIGNAL CONVERTER
SIGNAL TRANSMITTER

- Designed by Optically Isolated for Noise Immunity and Long Distance Signal Transmission.
採用光耦合設計,抗干擾與長距離信號傳送。
- Accepts 4 Channels Signal Input.
接受 4 通道輸入源,轉換信號。
- Accepts and Generates Signs : NPN / PNP / Push Pull Line Driver.
接收與產生信號 : NPN / PNP / Push Pull / Line Driver 。



DIMENSION



ELECTRICAL SPEC 電器規格

Detection System 檢測系統	Incremental 增量型
Output Wave 輸出波形	Square Wave 方波
Output Phase 輸出相	A / B / Z / D Chanel
Input Electronics 輸入電路特性	NPN Open Collector 電流型, Push Pull 推挽式, Line Driver 差動式
Output Electronics 輸出電路特性	NPN Open Collector 電流型, Push Pull 推挽式, Line Driver 差動式 (DC 5V or 24V)
Power Supply 供應電源	DC 24V ± 10
Current Consumption 消耗電流	≤200mA (No Load 無負載)
Output Capacity 輸出容量	5 / 12V < 150mA ; 24V < 50mA
Max. Response 最大響應頻率	Max. 100K Hz of NPN Open Collector 電流型 Max. 200K Hz of Push Pull 推挽式, Line Driver 差動式
Isolation Protection 光耦合隔離強度	2000 VRMS
Wave Form Rise / Fall 波形上下時間	1 μs or less Cable 1 m
Isolation Resistance 絕緣阻抗	100mΩ / 500 Vdc case
Strength 耐壓強度	1 KV / sec. case
Polarity 極性保護	Against Reverse Protection
Output Current Circuit Protection 輸出過電流保護	> 50 mA

MECHANICAL SPEC 機械規格

Vibration 震動	Max. 10 g (10 ± 55 Hz / 1.5 mm X.Y.X. 2Hr)
Weight 重量	≤200g

ENVIRONMENTAL SPEC 環境規格

Operating Temp./ Humidity 操作溫度/濕度	-10°C ~ 70°C, RH 35 % ~ 90 %, 8 Hr / each cycle (No Condensation)
Storage Temp. 儲存溫度	-20°C ~ 80°C
Protection 保護等級	IP50 : Dust Proof

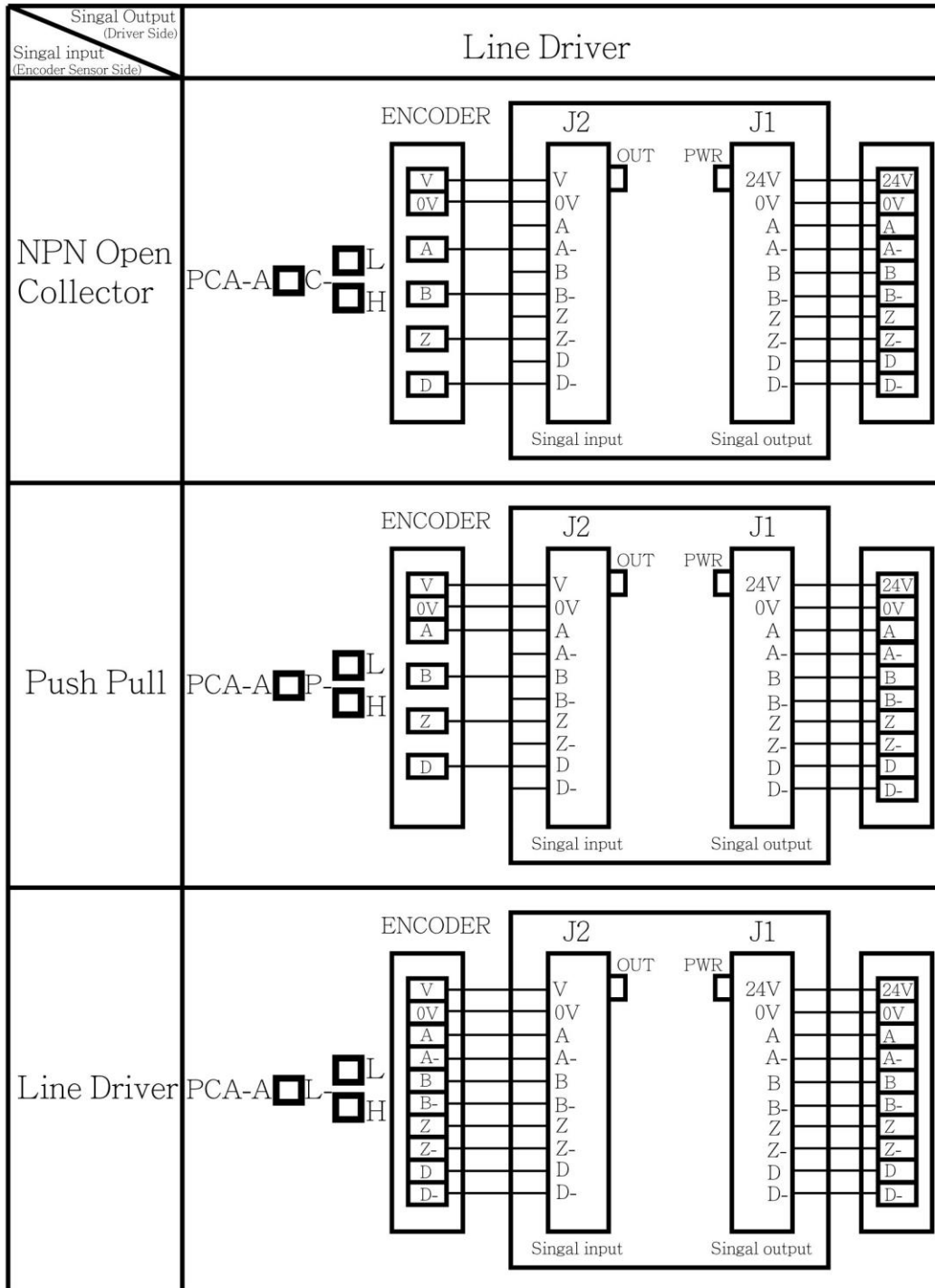
Specifications Model 規格 型號

	Sensor Input		Driver Output	
PCA-A-	[] - []		[] - []	
	Vin	Input Signal	Vout	Output Signal
	A : 24V	C : NPN Open Collector	D : 5 - 26V	C : NPN Open Collector 5 - 26V
	B : 12V	P : Push Pull	A : 24V	P : Push Pull
	C : 5V	L : Line Driver 5V	C : 5V	
			C : 5V	L : Line Driver 5V
			A : 24V	H : Line Driver 24V



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Incremental Encoder / Sensor Card





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