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	(CW & CCW)	
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# **Command & Feedback**

× Command( ) Feeback( )

Intro

• Command( ) Feedback( ) 가

Command , Feedback

• Command , Feedback

Feedback

## COMMAND (CW & CCW)

Info

Command

• Command CW CCW

, OUT/DIR CW/CCW

• DC/AC

• OUT/DIR CW CCW (Low/High)

• CW/CCW CW CCW 가

• ,

LOW HIGH .

• 0 3 OUT/DIR

4 , 5 CW/CCW .

CW/CCW OUT/DIR

(Command Pulse) . , Command

가

#### **Command**

• , Application I/O Setup

cmmCfgSetOutMode()

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6가

## # Pulse & Direction Mode

	출력 <sub>.</sub> 형태				
Value	(+) 방향 운전 시		(-) 방향	운전 시	
	CW pin	CCW pin	CW pin	CCW pin	
0		(Low)		(High)	
1		(Low)		(High)	
2		(High)		(Low)	
3		(High)		(Low)	

## # CW & CCW Mode

	출력 형태				
Value	(+) 방향	운전 시	(-) 방향 운전 시		
	CW pin	CCW pin	CW pin	CCW pin	
4		(Low)	(Low)		
5		(High)	(High)		

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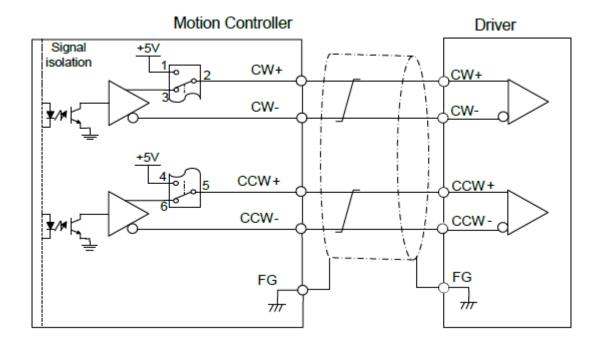
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・ CW CCW (Line Drive) (Open Collector) 가 .

• 가

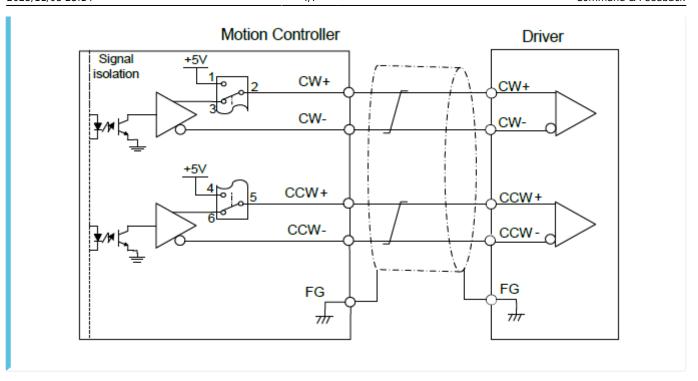
### # Line Drive

- Line Drive ( AMP) Shielded Twisted pair type
- CW/CCW Line Drive to line receiver



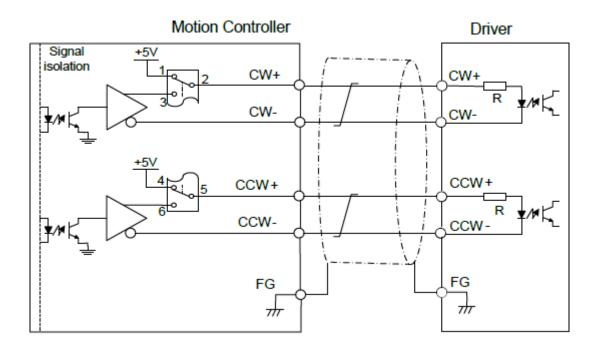
• CW/CCW Line Drive - to photo coupler

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#### # Open Collector

- Open Collector ( AMP) , Shielded Twisted pair type
- driver R open collector



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# Feedback (EA, EB, EZ)

#### info

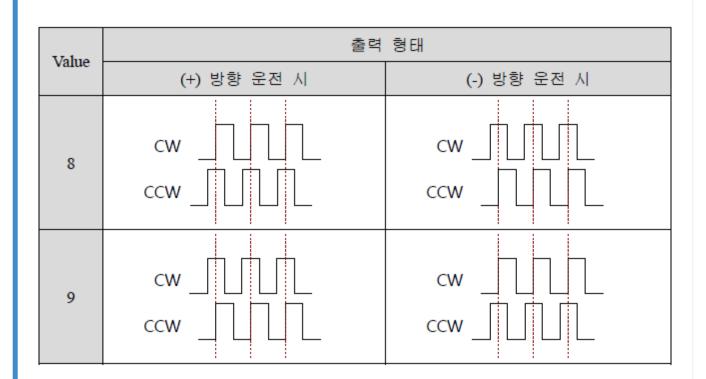
Feedback

• A B 가 , 90 가 UP/DOWN 가가 .

• 1 1 Z

• Feedback

Feedback



#### **Encoder**

•

EA, EB, EZ 가

• EA, EB, EZ

Phase-A, Phase-B, Index(Zero)-Pulse

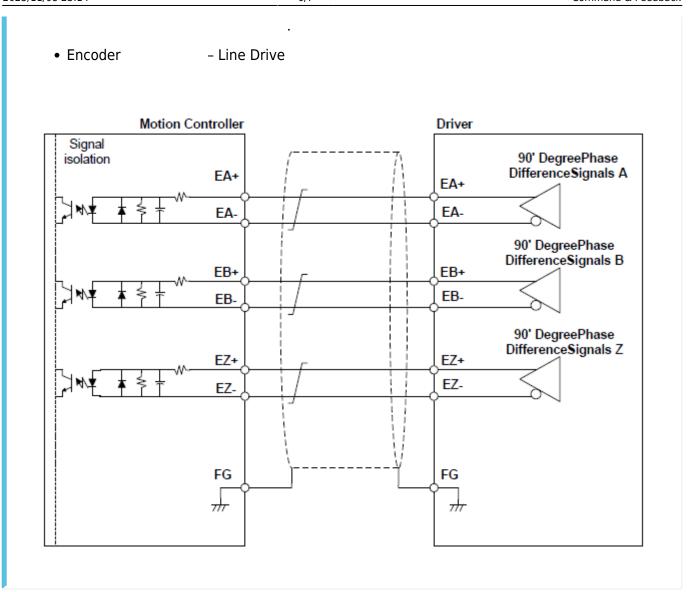
Z

가

RPM

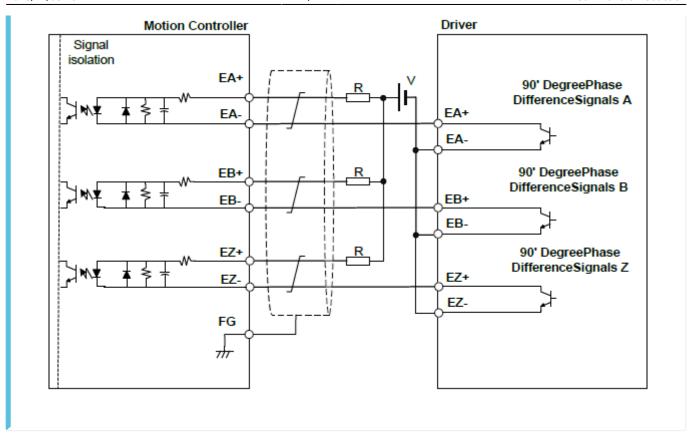
• Line Drive

, Shielded Twisted pair type



• Encoder – Open Collector

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1)

외부 전원	외부 저항 R
+5 <b>V</b>	1/4W, 100Ω
+12V	1/4W, 1KΩ
+24V	1/2W, 2.2KΩ

IF = 10mA max

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