



PFITZNER

Performance Gearboxes



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PPG Wiring Installation Guide



GEAR POSITION CABLE



PIN #	WIRE COLOUR	DESCRIPTION	DESTINATION
Pin 1	Black Wire	Channel 1 - 0v	Unterminated Leads
Pin 2	Yellow Wire	Channel 1 - signal	Unterminated Leads
Pin 3	Red Wire	Channel 2 - 5v	Unterminated Leads
Pin 4	⊠ NOT USED		
Pin 5	Blue Wire	Channel 2 - 0v	DISPLAY
Pin 6	□ White Wire	Channel 2 - signal	DISPLAY
Pin 7	Brown Wire	Channel 2 - 5v	DISPLAY
Pin 8	⊠ NOT USED		
Pin 9	⊠ NOT USED		

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DISPLAY CABLE



PIN #	WIRE COLOUR	DESCRIPTION	DESTINATION
Pin 1	Red Wire	12v Input	Unterminated Leads
Pin 2	Blue Wire	0v	Unterminated Leads / SENSOR
Pin 3	Brown Wire	5v Output	SENSOR
Pin 4	Green Wire	+Reverse Light Output	Unterminated Leads
Pin 5	☒ NOT USED		
Pin 6	White Wire	Signal Input	SENSOR

SENSOR - DEUTSCH DTM06-3S

WIRE COLOUR	PIN #	DESCRIPTION	DESTINATION
Blue Wire	Pin 1	Channel 2 - 0v	Display
White Wire	Pin 2	Channel 2 - Signal	Display
Brown Wire	Pin 3	Channel 2 - 5v	Display

UNTERMINATED LEADS

WIRE COLOUR	PIN #	DESCRIPTION	DESTINATION
Blue Wire	Pin 1	Batt 0v	Display
Red Wire	Pin 2	Batt 12v	Display
Green Wire	Pin 3	Reverse Relay Trigger	Display

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USB PROGRAMMING CABLE



PIN #	WIRE COLOUR	DESCRIPTION	DESTINATION
Pin 1	Blue Wire	12v Input	USB / Unterminated Leads
Pin 2	White Wire	0v	USB / Unterminated Leads
Pin 3	Brown Wire	5v Output	USB

LOCKOUT BUTTON

UNTERMINATED LEADS

WIRE COLOUR	PIN #	DESCRIPTION	DESTINATION
White Wire	Pin 1	Switch	Switch
White Wire	Pin 2	Switch	Switch

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DISPLAY CABLE

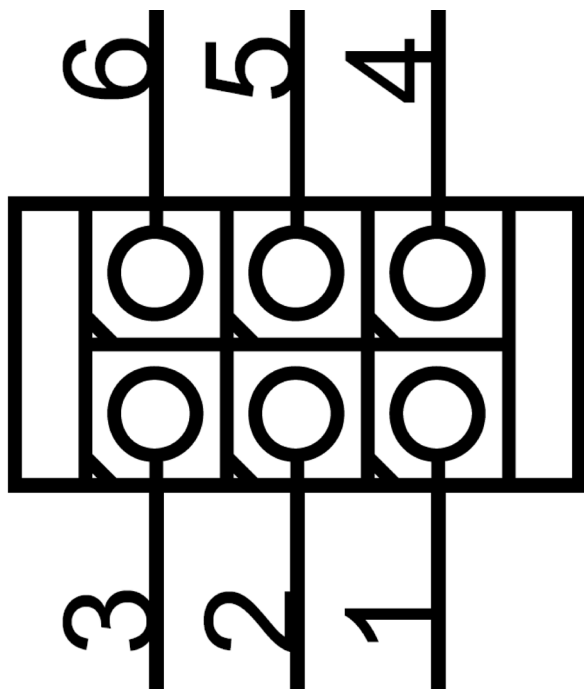
CONNECTOR WIRING

PIN #	FUNCTION
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1	+ Power Supply
2	- Power Supply
3	+ Potentiometer Power Supply
4	+ Reverse Light
5	- Potentiometer Power Supply
6	Potentiometer Wiper

ATTENTION!

PIN NO. 5 MUST NOT BE
CONNECTED TO PIN NO. 2





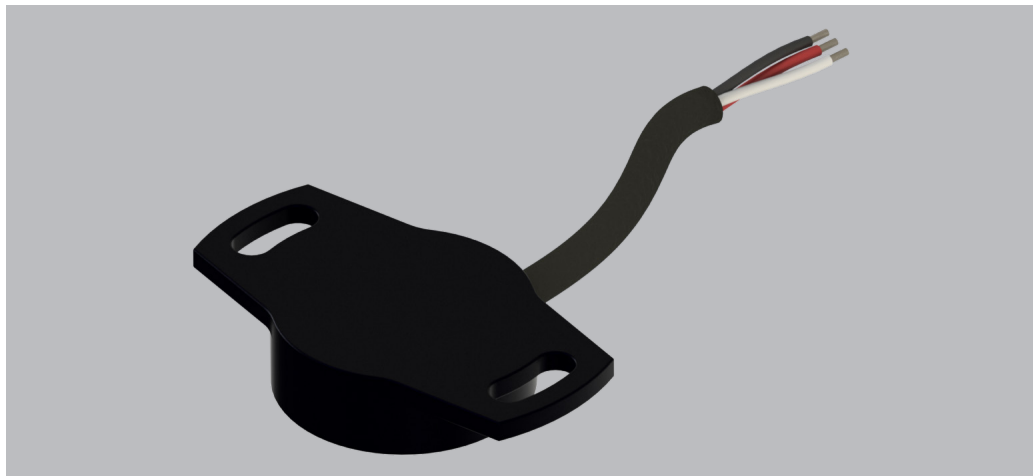
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ROTARY SENSOR – GEAR POSITION – DUAL CHANNEL



PIN #	WIRE COLOUR	DESCRIPTION	DESTINATION
Pin 1	Black Wire	Channel 1 - 0v	
Pin 2	Yellow Wire	Channel 1 - signal	
Pin 3	Red Wire	Channel 2 - 5v	
Pin 4	☒ NOT USED		
Pin 5	Blue Wire	Channel 2 - 0v	
Pin 6	White Wire	Channel 2 - signal	
Pin 7	Brown Wire	Channel 2 - 5v	
Pin 8	☒ NOT USED		
Pin 9	☒ NOT USED		

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