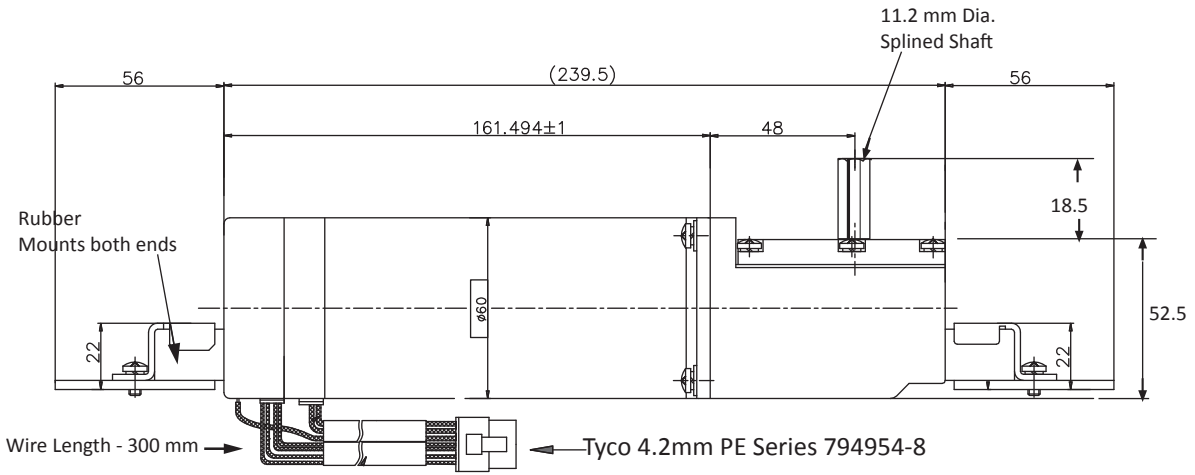
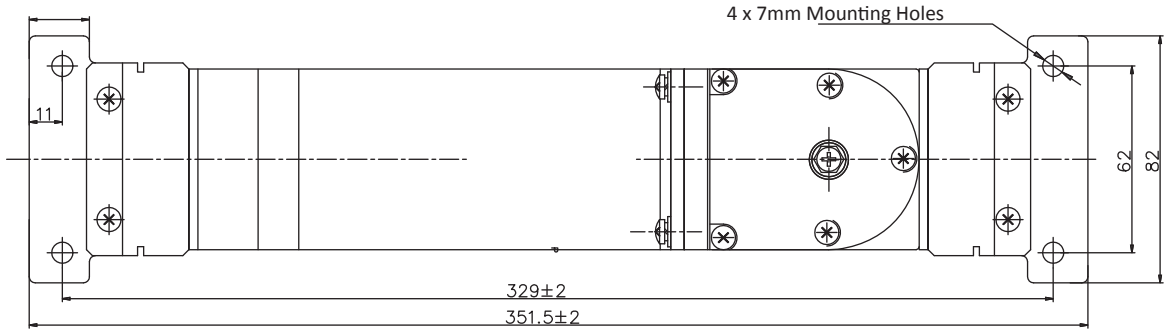
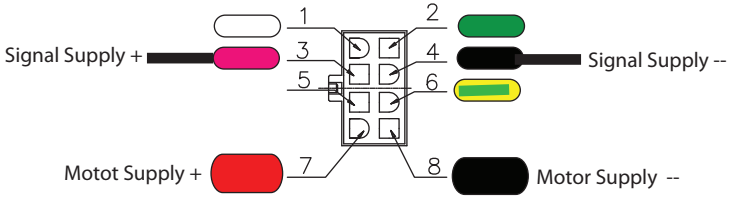




Socket & Wire Legend							
1 white	2 green	3 red	4 black	5	6 green yellow	7 red UL1015 20AWG	8 black UL1015 20AWG
out Vccw	out Vcw	signal V+(5~24V)	signal V−(5~24)	/	GND	24VDC+	24VDC−



Notes:

1. Connector

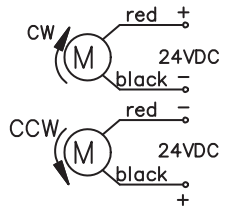
The supplied connector may fit directly into some door operating mechanisms. (See Plug Type)
If it does not suit your particular application, cut it off and connect the wires directly to your circuit.

2. Speed & Direction Sensing

These signals do not need to be used to operate this gearmotor. Simply connecting RED & BLACK to a 24 VDC power source will operate the gearmotor. (See Note 3)
The signal output is two square waves of the amplitude determined by your selected signal voltage supply (V+ selected between 5 & 24 VDC) in quadrature (90 Degrees phase shifted).

3. Basic Motor Operating Connection

Wiring Diagram



Specifications ZDMJ-1/GK13			
Model of Motor	ZDMJ−1	Output shaft and Motor rotation	Same Direction
Voltage/Frequency	24VDC		
Output Power	60W	Bearing Type	Ball Bearing
Rated Current	4.0A±10%	Gearbox Config.	Integrated
rated speed	1800rpm±5% 138.46 O/P	Maximum Allowable Torque	2.49N.m
Rated Torque	0.32N.m		
No load Speed	2300rpm±5% 177 O/P	Transimit Efficiency	60%
No Load Current	<1.0A	Noise	<55dB (L=40cm)
Duty	Cont	Connect Type:	Tyco 4.2mm PE Series 794954-8
Insulation resistance	>50MΩ	Mates with:	Tyco 4.2mm PE Series 794953-8
Hi Voltage Test	660V/S		
In.Class	B		
Protection Grade	IP20		
Using temperature	−10°C~+40°C		
Gearbox	GK13 13 : 1 Reduction		

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