

- Robust and space saving construction
- Integrated potentiometer
- Available measuring length 2000mm
- 4–20 mA or 0–10 VDC output
- IP64 environmental protection



ENVIRONMENTAL SPECIFICATIONS

Protection:	IP64
Operating temperature range:	-25°C +85°C (-13°F +185°F)

MECHANICAL SPECIFICATIONS

Dimensions:	see drawing
Feed distance per encoder revolution	100mm
Repeatability:	± 0.15 mm
Linearity*:	± 0.25% of current position value
Wire retraction force:	3–5 N
Measuring length:	2000mm
Measuring speed:	1 m/sec max
Signal cable:	2.0 m cable
Weight:	0.2 kg

* **Note:** Linearity is the measurement difference between the ideal or expected output position (a straight line) and the reported output position of the draw wire.

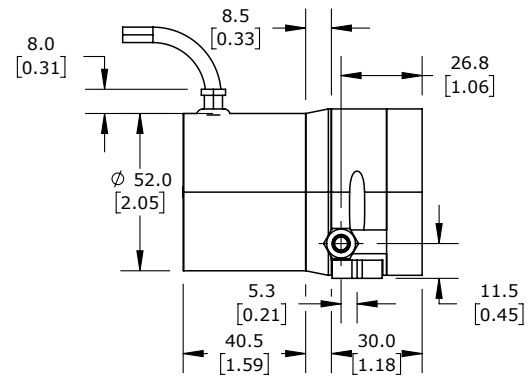
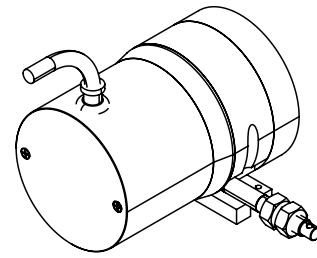
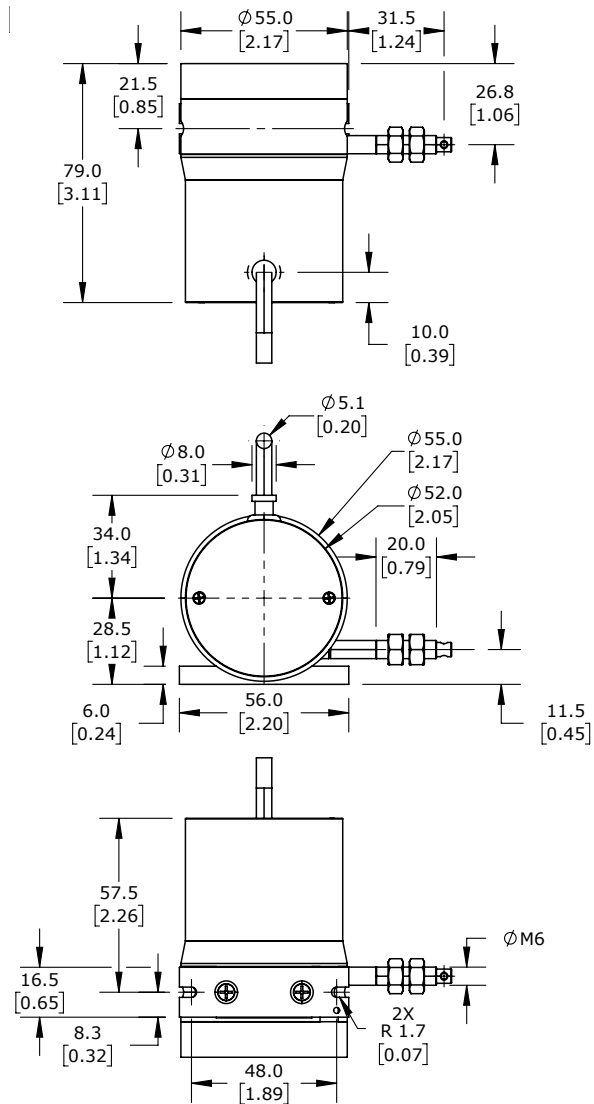
ELECTRICAL SPECIFICATIONS

Power supply:	Current (DWP-2M-4A-RL2): +10-30 VDC Voltage (DWP-2M-0V-RL2): +15-30 VDC
Output current:	DWP-2M-4A-RL2: 4–20 mA ± 5%
Output voltage	DWP-2M-0V-RL2: 0–10 V, ± 5%
Consumption:	2mA max

MATERIALS

Housing:	Aluminum
Draw wire:	Stainless steel

DWP Series Dimensions



DWP Series Mounting Instructions



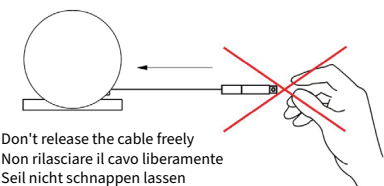
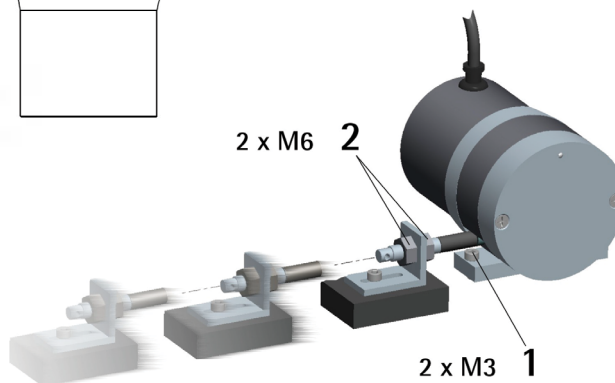
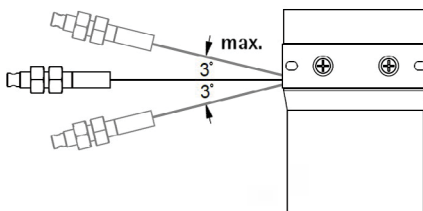
EN	Mounting Instructions
	- Fasten the draw-wire unit onto a fixed support using two M3 screws (1); - Remove the transport safety wire that pins the end of the measuring wire; - Fix the end of the measuring wire to the moving unit using the provided M6 nuts (2); - To avoid failures, never exceed the maximum measuring length and prevent the wire from tangling up! Never release the wire freely, always help the wire wind properly: risk of personal injury and/or equipment damage; always keep the wire aligned not to damage the equipment (max. deviation 3°); - The stroke per turn of the draw wire unit is 100mm / 3.94 in.

IT	Istruzioni di montaggio
	- Fissare la base del dispositivo a un supporto fisso piano mediante due viti M3 (1); - Rimuovere il cavetto di sicurezza che immobilizza l'estremità del filo; - Fissare l'estremità del filo al supporto mobile con i dadi M6 (2) in dotazione; - Per evitare guasti irrimediabili all'apparecchiatura, non superare mai la corsa utile e non aggrovigliare il cavo! Non rilasciare mai il filo liberamente, ma accompagnarne sempre il riavvolgimento: pericolo di lesioni a persone e/o danneggiamenti al dispositivo; assicurarsi di mantenere il filo ben allineato per evitare danni all'apparecchiatura (deviazione massima 3°); - La corsa per giro dell'unità supporto a filo è di 100mm.

DE	Montagehinweise
	- Der Seilzugvorsatz hat drei Durchgangslöcher zur Befestigung mit M3 Schrauben (1) auf einer ebenen Fläche; - Seilsicherung entfernen; - Seilabschluss-Stück (2) am vorgesehenen Maschinenteil befestigen; - Überziehen der Auszugslänge verursacht Geräteschaden; Seil nicht schnappen lassen, nicht verdrehen und Lotrecht zum Seilaustrag ausziehen um Geräteschaden zu vermeiden (max. Abweichung 3°); - Die Messlänge pro Umdrehung (Trommelumfang) betragen: 100mm.

ES	Instrucciones de montaje
	- Fijar la base del módulo de tracción por cable en un soporte fijo plano mediante los dos tornillos tipo M3 (1); - Quitar el dispositivo de bloqueo del cable durante el transporte; - El extremo del cable debe ser asegurado al soporte móvil mediante las tuercas tipo M6 (2); - Para evitar daños al equipo, no se debe exceder la longitud máxima del cable y evitar que el cable se enrede! Nunca soltar el cable libremente, siempre ayudar a su correcto enrollamiento: riesgos de lesiones personales y/o daños al equipo; mantener siempre el cable alineado (desviación máxima 3°); - La carrera para cada giro del módulo de tracción por cable es de 100mm.

FR	Instructions de montage
	- Fixer la base de l'enrouleur au support fixe plat au moyen des deux vis M3 (1); - Enlever la fermeture de sécurité qui sert à bloquer le câble pendant le transport; - Bloquer l'extrémité du câble au support mobile en utilisant les deux écrous M6 (2) fournis en dotation; - Pour éviter des dommages au dispositif, il ne faut pas dépasser la course maximum y empêcher l'embrouillement de câble! Le câble ne doit jamais être relâché librement; l'accompagner doucement pour le rebobinage; risque de blessure personnelles ainsi que de dommages de l'appareil! S'assurer que le câble soit maintenu aligné (déviations maximale 3°); - La course pour chaque tour de l'enrouleur à câble est de 100mm.

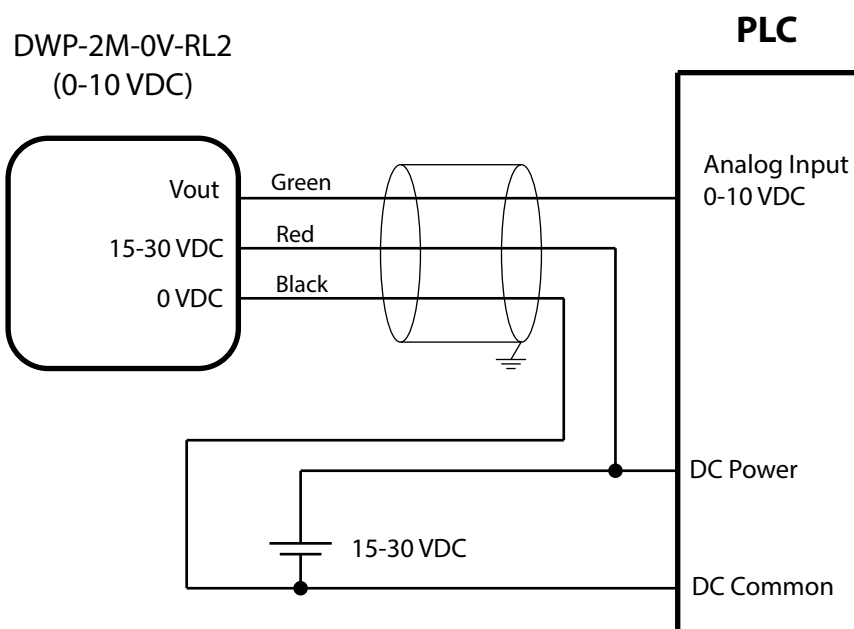
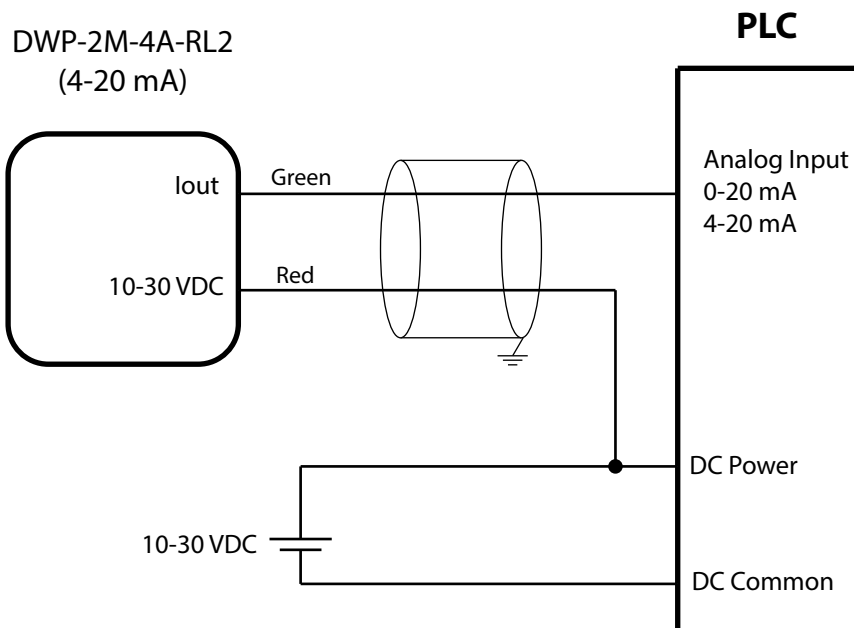


Don't release the cable freely
Non rilasciare il cavo liberamente
Seil nicht schnappen lassen
Nunca soltar el cable libremente
Ne pas relâcher le câble librement

Electrical connections						
Signals		Cable	Cavo	Kabel	Cable	Câble
DWP-2M-4A-RL2	DWP-2M-0V-RL2					
+10-30 VDC	+15-30 VDC	Red	Rosso	Rot	Rojo	Rouge
N/C*	0VDC	Black	Nero	Schwarz	Negro	Noir
Iout	Vout	Green	Verde	Grün	Verde	Vert
* For the 4A model, cut and insulate the black wire—it is not used.						
		Installation has to be carried out with power supply disconnected. L'installazione deve essere eseguita in assenza di tensione. Der Anschluss darf nur bei ausgeschalteter Versorgungsspannung erfolgen. La instalación sólo debe ser efectuada en ausencia total de tensión. Le montage du dispositif doit être effectué en absence totale de tension.				

Cable specifications	
Model:	Lika encoder cable
Cross section:	3 x 0.22 mm² (24 AWG)
Jacket:	PVC, oil and flame resistant
Shield:	Tinned copper braid, coverage 65% ground cable shield
Outer diameter:	4.0 mm ± 0.15 mm / 0.157" ± 0.006"
Min. bend radius:	Outer diameter x 10, static application Outer diameter x 15, dynamic application
Work temperature:	-20°C to +80°C / -4°F to +176°F, static application -5°C to +70°C / +23°F to +158°F, dynamic application, not for continuous use
Conductor resistance:	≤ 92.5 Ω/km

DWP Wiring Diagrams



lika **Automation Direct**

 Dispose separately

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