

INSTALLATION GUIDE ACX30 DRAW WIRE SENSOR

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ACX30 Draw Wire Sensor

FIRST STEPS

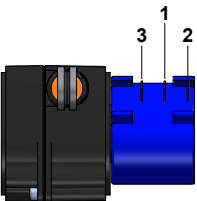
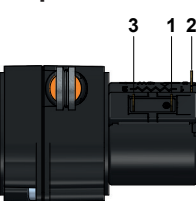
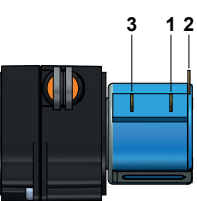
Encoder Products Company would like to thank you for the trust you have placed in us and our products. This manual will make you familiar with the installation and operation of our draw wire sensors. Please read this manual carefully before initial operation!

Carefully lift the device out of the box by the housing. Do not pull the wire. After unpacking the device, check it for any visible damage as a result of rough handling during shipment. Check the package to insure that all parts have been included. If necessary, contact Encoder Products Company directly for further assistance.

HANDLING THE WIRE ROPE

- When installing or operating the sensor, take care not to let the rope snap back by mistake or extract the rope over the specified measurement range, as this might destroy the sensor.
- The rope must be extracted from the sensor vertically. The maximum variation from the vertical is 3°. Avoid extracting the rope at an inclination, since the durability of the instrument would shorten considerably. If it is not possible to keep the limit of 3°, a deflection pulley has to be used.
- Guide the rope preferably in corners or guarded in channels to prevent pollution or accidental touch.
- Avoid guiding the rope over edges or corners. Use a deflection pulley instead.
- Do not operate the sensor if the rope is buckled or damaged. A ripping of the rope may lead to injuries or a damaging of the sensor.

ELECTRICAL CONNECTION

Solder terminals	Function	Economy version	Standard version up to 375 mm	Standard version from 500 mm
1	GND			
2	Cursor			
3	+V			

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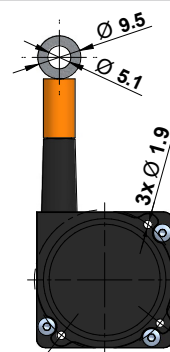
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MOUNTING OF THE SENSOR

Mounting via fixation holes

- The ACX30 draw-wire sensor offers 3 fixation holes.
- Use self-tapping KV screws with a thread diameter of $\varnothing 2.2$ mm that are suitable for plastic.
- Note the tightening torque of 0.4 Nm.



Installation via mounting bracket

- The mounting bracket can be attached to the sensor in 90° steps using 3 screws.
- Use the 3 screws supplied for this purpose.
- Note the tightening torque of 0.4 Nm.

