



RS7 Encoder

P/N A0031, RevA

ARMABOT

FEATURES

- Made for VEXPro's 775pro motor (not included)
- Among the most affordable encoders available for FRC
- Vented design doesn't interfere with motor air flow
- Quick installation via worm drive clamp
- Integrated wire strain relief mounting feature
- Close loop control via Talon SRX or RoboRIO
- Technology tutorial of CAN bus PID implementation



SPECIFICATIONS

- Housings: Molded ABS 30% glass fiber
- Connection: Thru-hole solder & cable tie strain relief
- Wheel: 6 pole magnetic puck
- Encoder type: Latching hall effect, 2 channel
- Resolution: 12 counts per revolution
- Input voltage: 2.8 - 18 Vdc
- Approximate weight: 0.5oz (15g)

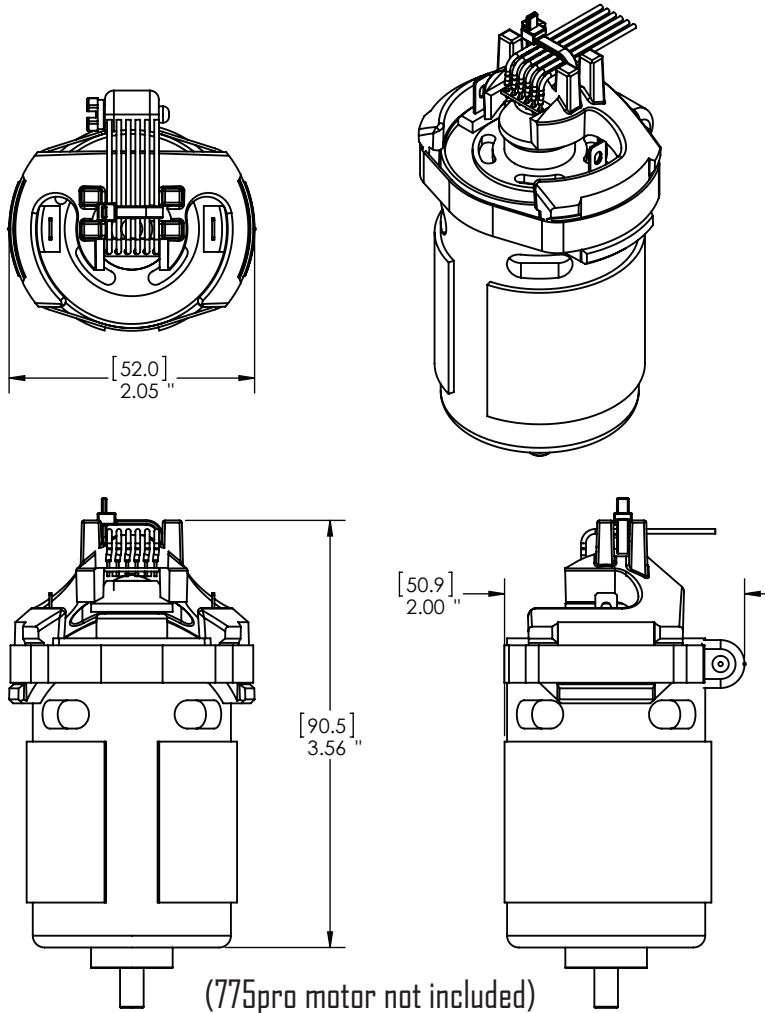


SYSTEM DIMENSIONS

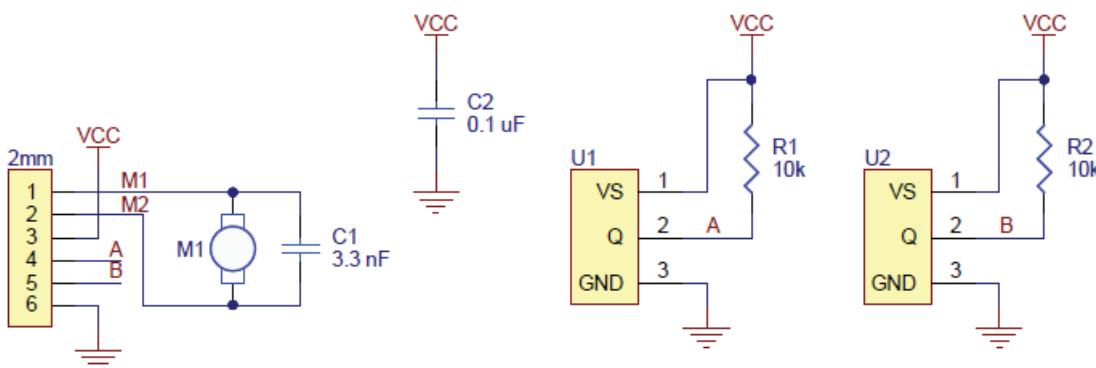
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SCHEMATICS



Note: U1 and U2 are Hall Effect sensor ICs in SOT-23 packages, e.g. TLE4946-2K.