PU SERIES INSTALLATION & DIMENSIONS

Models: PU-(X)E Description: Indoor Duty

PU-(X)R Description: Outdoor Duty (water resistent)

X = magnet poles (refer to chart below)

Step 1 Tap motor shaft for 10-32 screw, 1/2" deep

Step 2 Remove cap from screw

Step 3 Remove dust cover

No other screws are necessary, as the cord will keep the unit from rotating. The PU gives a high signal when the North Pole in the magnet crosses the hall-effect transistor. The signal is switched off when the South Pole crosses the hall-effect transistor. The result is a square wave whose frequency is proportional to the speed of the shaft that the PU is mounted on. The number of North/South Pole pairs directly affects the output.

Step 4 Install and tighten PU assembly

Step 5 Secure cover onto housing

PU bearing tapped 10-32 x 1/2 motor shaft re the picture of the pi

If installing the unit on a motor purchased from Dart, the motor shaft is already drilled and tapped. If the motor is fan-cooled (TENV), remove the plug in the center of the fan guard before installing the pickup. Otherwise, damage to the pickup may occur.

Note:

pickup may occur.

Magnet Disc

(X) Pole	Pulse Per Revolution	Part #
2	1	MAG-2
20	10	MAG-20
4	2	MAG-4
40	20	MAG-40
6	3	MAG-6
8	4	MAG-8
10	5	MAG-10
14	7	MAG-14

black wire common red wire +VDC (note: can be used on +5 through +24 volt power supply)

white wire signal

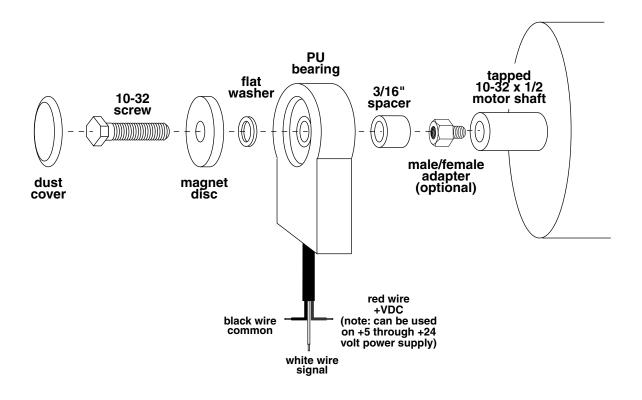
72.00

LTPU (0320) A-5-1423L

PU SERIES INSTALLATION & DIMENSIONS

Models: PU-MAE Description: Indoor Duty

PU-MAR Description: Outdoor Duty (water resistent)



PU Parts List

- (1) PU sensor body with 6' cord and dust cap
- (1) Magnetic disc¹ (#2, 1PPR)
- (1) Magnetic disc¹ (#20, 10PPR)
- (1) Magnetic disc¹ (#40, 20PPR) (installed)
- (1) 3/16" spacer
- (1) Male/female adapter^{2,3,4}
- (1) flat washer
- (1) 10-32 screw^{3,4}

Notes:

- 1) Magnetic discs are included with the kit and are NOT available separately.
- 2) Use of the threaded adapter is optional, depending on the distance between the end of the motor shaft and the fan shroud. If the supplied 10-32 screw and 3/16" spacer are insufficient in length to bridge that gap, the threaded adapter should be used in addition to the screw and spacer.
- 3) Torque 10-32 screw to 10-23 in-lbs.
- 4) Use thread locker on 10-32 threaded connection and Male/Female adapter.