

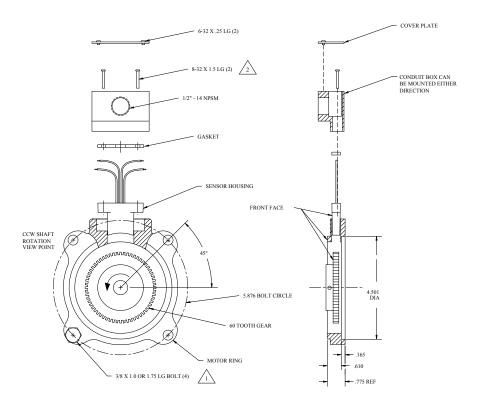
QUAD RING KIT II SENSORS INSTALLATION/SPECIFICATION/WIRING GUIDE 5 - 24 VOLT DIFFERENTIAL

<u>INSTALLATION</u> 56C, 143TC 182TC, 213TC & 254TC	PAGE # Page 3 Page 4
71D <u>SENSOR SPECIFICATION</u> Differential	Page 5 Page 6
WIRING EXAMPLES	Page 8, 9, 10 & 11
INDEX Contrex Part Number to Page Reference	Page 2

PART NUMBER INDEX

CONTREX PART #	INSTALLATION	SENSOR SPECIFICATION	WIRING SAMPLES
7300-1620	Page 3	Page 6	Page 8, 9, 10 & 11
7300-1621	Page 3	Page 6	Page 8, 9, 10 & 11
7300-1622	Page 4	Page 6	Page 8, 9, 10 & 11
7300-1623	Page 4	Page 6	Page 8, 9, 10 & 11
7300-1624	Page 4	Page 6	Page 8, 9, 10 & 11
7300-1625	Page 5	Page 6	Page 8, 9, 10 & 11

RINGS 56C & 143TC



ASSEMBLY NOTES

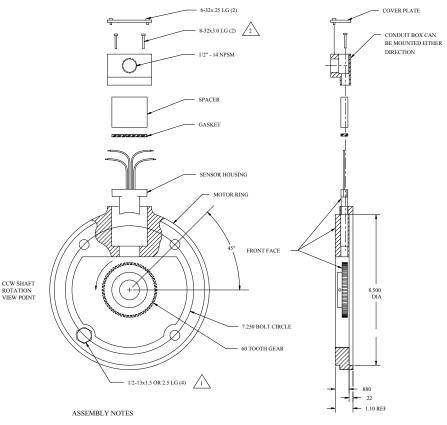
- 1. METAL MOTOR RING SHOULD BE MOUNTED FLUSH AND TIGHTLY FASTENED TO MOTOR FACE WITH BOLTS PROVIDED.
- SENSOR HOUSING SHOULD BE FULLY INSERTED AND TIGHTLY SEATED INTO MOUNTED MOTOR RING (IF MOUNTING HOLES OF SENSOR HOUSING AND MOTOR RING DON'T ALIGN PROPERLY ROTATE SENSOR HOUSING 180° AND REINSTALL.) PLACE GASKET ON TOP SENSOR HOUSING WITH WIRES OF SENSOR THRU CENTER SLOT OF GASKET. CONDUT BOX TO BE SECURED WITH (9):3-32 X 11/2 LG SCREWS.
- 3. 60 TOOTH GEAR TO BE MOUNTED ON MOTOR SHAFT WITH THE FRONT FACE OF THE 60 TOOTH GEAR ALIGNED WITH THE FRONT FACE OF THE SENSOR HOUSING. SECURE 60 TOOTH GEAR LOCATION WITH SET SCREWS PROVIDED, SEE FIGURE #5. FRONT HUB OF 60 TOOTH GEAR WILL PROTEUDE APPROXIMATELY. 020 BEYOND FRONT FACE OF THE MOTOR RING WHEN PROPERLY INSTALLED.

APPLICATION NOTES

1 LONG MOUNTING BOLTS TO BE USED IN MULTIPLE RING APPLICATIONS.

2 IN APPLICATIONS WHERE CONDUIT BOX IS NOT REQUIRED, SHORTER SCREWS ARE NECESSARY TO PROPERLY SECURE SENSOR HOUSING INTO THE MOTOR RING.

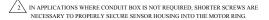
RINGS 182TC, 213TC & 254TC

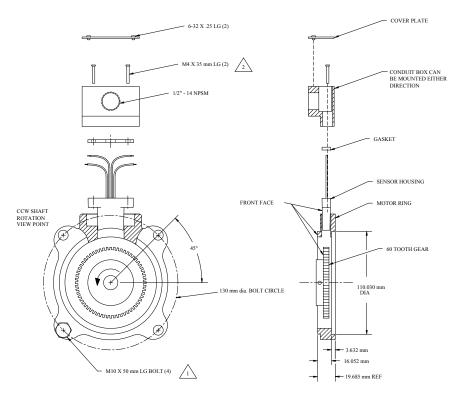


- 1. METAL MOTOR RING SHOULD BE MOUNTED FLUSH AND TIGHTLY FASTENED TO MOTOR FACE WITH BOLTS PROVIDED.
- 2. PLACE GASKET ON TOP OF SENSOR HOUSING WITH WIRES OF SENSOR THRU CENTER SLOT OF GASKET. SENSOR HOUSING SHOULD BE FULLY INSERTED AND TIGHTLY SEATED INTO MOUNTED MOTOR RING (IF MOUNTING HOLES OF SENSOR HOUSING DON'T ALIGN PROPERLY, ROTATE SENSOR HOUSING 18/9 AND REINSTALL), INSERT SPACER WITH HOLES IN ALIGNMENT WITH SENSOR MOUNTING HOLES, ROUTING WIRES THRU CENTER SLOT. CONDUIT BOX TO BE SECURED WITH (2) #8-32x3 0 LONG SCREWS.
- 60 TOOTH GEAR TO BE MOUNTED ON MOTOR SHAFT WITH THE FRONT FACE OF THE 60 TOOTH GEAR ALIGNED WITH THE FRONT FACE OF THE SENSOR HOUSING. SECURE 60 TOOTH GEAR LOCATION WITH SET SCREWS PROVIDED (SEE FIGURE 5).

APPLICATION NOTES

1 LONG MOUNTING BOLTS TO BE USED IN MULTIPLE RING APPLICATIONS.





ASSEMBLY NOTES

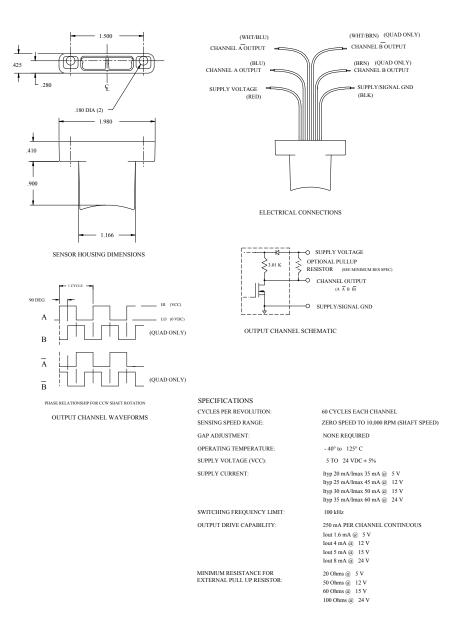
- 1. METAL MOTOR RING SHOULD BE MOUNTED FLUSH AND TIGHTLY FASTENED TO MOTOR FACE WITH BOLTS PROVIDED.
- SENSOR HOUSING SHOULD BE FULLY INSERTED AND TIGHTLY SEATED INTO MOUNTED MOTOR RING (IF MOUNTING HOLES OF SENSOR HOUSING AND MOTOR RING DON'T ALIGN PROPERLY ROTATE SENSOR HOUSING 180° AND REINSTALL.) PLACE GASKET ON TOP SENSOR HOUSING WITH WIRES OF SENSOR THRU CENTER SLOT OF GASKET. CONDUIT BOX TO BE SECURED WITH (J) WA 335 mm LG SCREWS.
- 3. 60 TOOTH GEAR TO BE MOUNTED ON MOTOR SHAFT WITH THE FRONT FACE OF THE 60 TOOTH GEAR ALIGNED WITH THE FRONT FACE OF THE SENSOR HOUSING SECURE 60 TOOTH GEAR LOCATION WITH SET SCREWS PROVIDED, SEE FIGURE 5. FRONT HUB OF 60 TOOTH GEAR WILL PROTRUDE APPROXIMATELY .020 (~5 mm) BEYOND FRONT FACE OF THE MOTOR RING WHEN PROPERLY INSTALLED.

APPLICATION NOTES

1 LONGER MOUNTING BOLTS MAY BE NEEDED IN MULTIPLE RING APPLICATIONS.

2 IN APPLICATIONS WHERE CONDUIT BOX IS NOT REQUIRED, SHORTER SCREWS ARE NECESSARY TO PROPERLY SECURE SENSOR HOUSING INTO THE MOTOR RING.

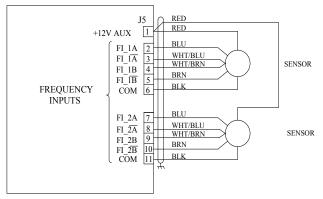
DIFFERENTIAL



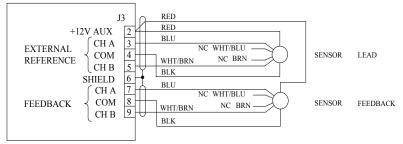
- THIS PAGE BLANK -

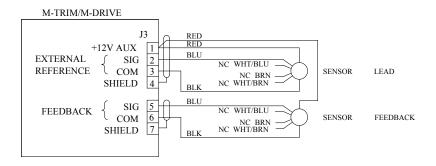
DIFFERENTIAL





M-TRACK/M-ROTARY/M-CUT/M-SHUTTLE/M-TRAVERSE

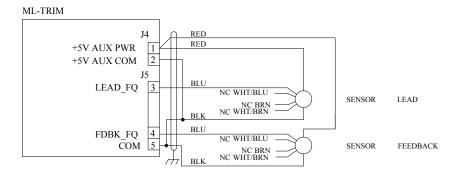




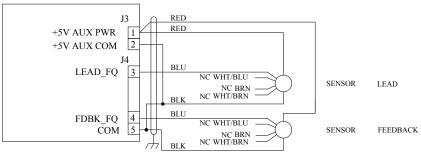
NOTE:

THE +5V/+12V AUXILIARY POWER SUPPLY PROVIDED FROM THE CONTROL, SHOULD BE USED TO POWER THE DIFFERENTIAL QUAD SENSOR SHIELDED CABLE IS RECOMMENDED CONNECT SHIELDS TO EARTH GROUND ONLY AT ONE END OF CABLE

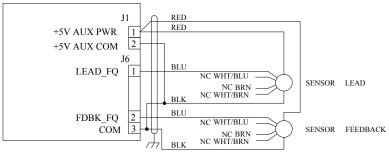
DIFFERENTIAL



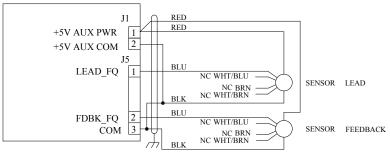
ML-DRIVE











NOTE:

THE +5V/+12V AUXILIARY POWER SUPPLY PROVIDED FROM THE CONTROL, SHOULD BE USED TO POWER THE DIFFERENTIAL QUAD SENSOR SHIELDED CABLE IS RECOMMENDED CONNECT SHIELDS TO EARTH GROUND ONLY AT ONE END OF CABLE

- BACK PAGE -