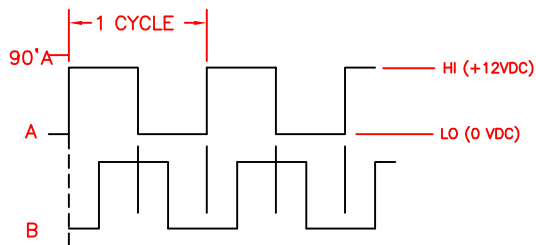


EXPLODED ASSEMBLY

SENSOR ASSEMBLY

1. METAL MOTOR RING SHOULD BE MOUNTED FLUSH AND TIGHTLY FASTENED TO MOTOR FACE WITH BOLTS PROVIDED.
2. 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 HOUSING THRU CENTER SLOT GASKET. CONDUIT BOX TO BE SECURED WITH (2) 8-32 X 1.5 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 MAXIMUM .10 BEYOND FRONT FACE OF THE MOTOR RING.



PHASE RELATIONSHIP FOR CCW SHAFT ROTATION
FIGURE 3 – OUTPUT CHANNEL WAVEFORMS

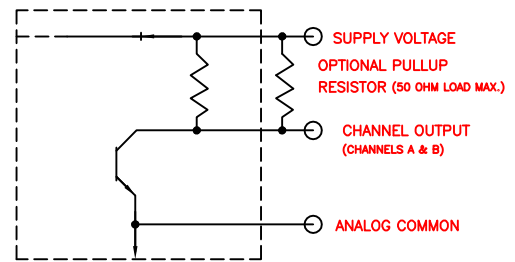


FIGURE 4 – OUTPUT CHANNEL SCHEMATIC

SPECIFICATIONS

| | |
|----------------------------|--|
| SENSOR TYPE: | BIDIRECTIONAL SHAFT SPEED SENSOR |
| CYCLES PER REVOLUTION: | 60 CYCLES EACH CHANNEL – SEE FIGURE 3 |
| SENSING SPEED RANGE: | ZERO SPEED TO 10,000 RPM (SHAFT SPEED) |
| GAP ADJUSTMENT: | NONE REQUIRED |
| OPERATING TEMPERATURE: | 0°A – 70°A C (–20°A – 85°A C) EXTENDED |
| SUPPLY VOLTAGE: | +12VDC ±5% |
| SUPPLY CURRENT: | 60mA TYPICAL (115mA MAXIMUM) |
| SWITCHING FREQUENCY LIMIT: | 100 kHz |
| OUTPUT DRIVE CAPABILITY: | 250 mA PER CHANNEL CONTINUOUS |
| MAXIMUM LOAD: | 50 OHMS PER CHANNEL – SEE FIGURE 4 |