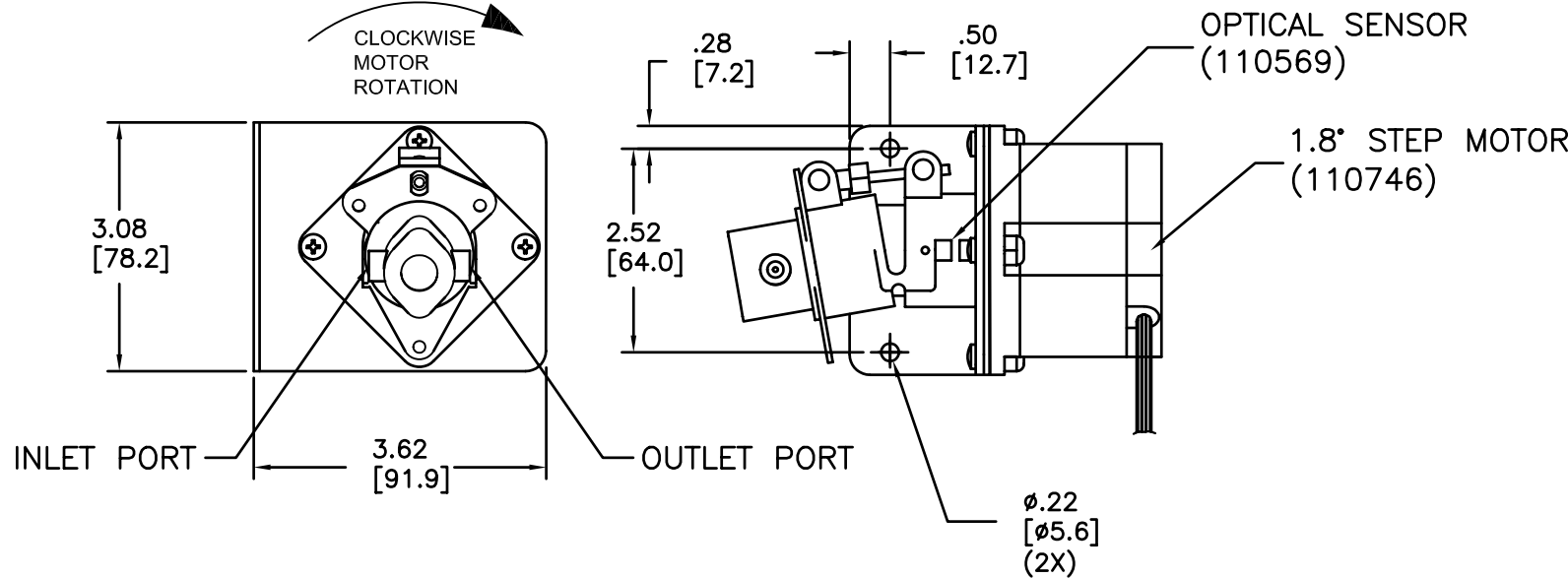
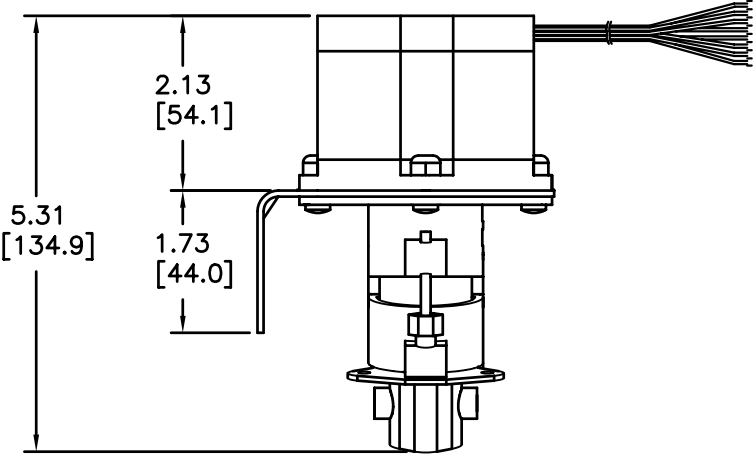
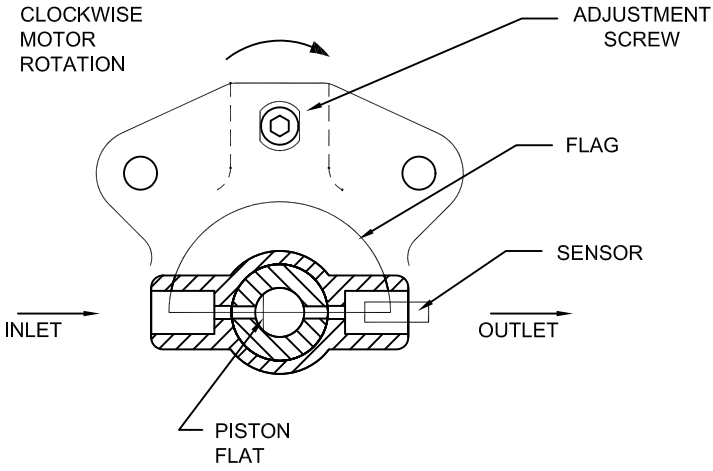


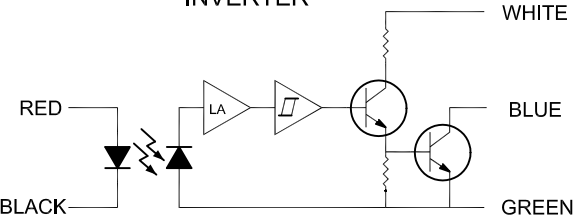
FMI STANDARD STH PUMP SPECIFICATIONS
PUMP HEADS SHOWN FOR REFERENCE ONLY



STH PISTON FLAT - SENSOR / FLAG
RELATIONSHIP TO INLET AND OUTLET PORTS



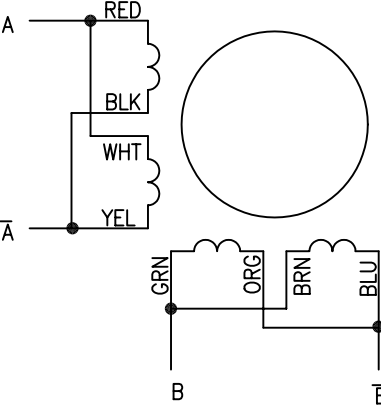
OPTICAL SENSOR
(OPEN-COLECTOR OUTPUT)
INVERTER



ABSOLUTE MAXIMUM RATINGS (Ta = 25°C UNLESS OTHERWISE NOTED)

SUPPLY VOLTAGE, Vcc (NOT TO EXCEED 3SEC.)	10V
STORAGE TEMPERATURE RANGE	-40°C TO +80°C
OPERATING TEMPERATURE RANGE	-40°C TO +70°C
INPUT DIODE POWER DISSIPATION	100mW (1)
OUTPUT POWER DISSIPATION	200mW (2)
TOTAL DEVICE POWER DISSIPATION	300mW (3)
VOLTAGE AT OUTPUT LEAD (OPEN COLLECTOR OUTPUT)	35V
DIODE FORWARD D.C. CURRENT	40mA
DIODE REVERSE D.C. VOLTAGE	2V

FOR BEST PERFORMANCE
BIPOLAR PARALLEL WIRING



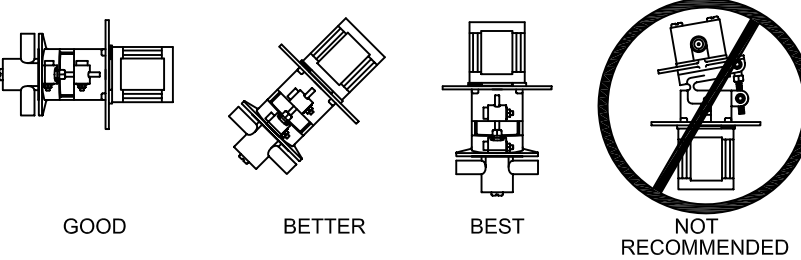
TYPICAL MOTOR SPECIFICATIONS

NO. OF PHASES	2
STEP ANGLE	1.8°
RATED CONTINUOUS CURRENT/PHASE	3.5 AMPS
VOLTAGE CONSTANT / PHASE ±10%	0.206 Vpk/RAD/SEC
RESISTANCE: 25°C ±10%	0.53 OHMS
PHASE INDUCTANCE ± 20%	2.3 mH

NOTE:
DIMENSIONS ARE IN INCHES [MILLIMETERS]
TOLERANCES UNLESS OTHERWISE SPECIFIED:
.XX = ±.02 [.51]
.XXX = ±.005 [.127]

IMPORTANT

RECOMMENDED FMI PUMP MOUNTING FOR MAXIMUM PERFORMANCE



For maximum pump performance, mount the pump with motor at 12 o'clock and pump head at 6 o'clock position. This orientation will allow air bubbles that enter the pumping chamber to directly exit thru buoyant assist. Discharge lines should be inclined upward from pump head.

Fluid Metering Inc.
5 Aerial Way, Suite 500
Syosset, NY 11791

TITLE STANDARD
STH
PUMP OUTLINE

DWG NO 600019 REV D SHT 1 OF 1