

CUSTOMER REVISIONS			
REV	ECN	CHANGE	MODIFIED BY
1	25-0115	PRODUCTION RELEASE	Evan Schwahn

ACTUATOR DESIGN NOTES:

1. KZVALVE ACTUATOR SERIES: EH2
2. ACTUATOR PN: 10EYS-P01
3. ACTUATION TIME @ 90 DEGREES: 1.5 SEC
4. EXPOSED MATERIALS: GF NYLON, NYLON, 300 & 400-SERIES SS, FKM, SILICONE
5. AMBIENT OPERATING TEMP: -40°F TO 185°F (-40°C TO 85°C)
6. AMBIENT STORAGE TEMP: -67°F TO 221°F (-55°C TO 105°C)
7. ENCLOSURE RATING: IP68M & IP69K PER ISO 20653, NEMA 6P & 7D PER NEMA 250
8. ROTATION: UP TO 90° OF TOTAL TRAVEL - IF SPECIFIED, DIRECTION DESIGNATIONS ARE AS OBSERVED FROM THE TOP SIDE OF THE ACTUATOR UNLESS OTHERWISE NOTED
9. ELECTRICAL:

1. OPERATING INPUT VOLTAGE: 12/24 VDC NOM (9 ~ 32 VDC)

2. CABLE: 18 GA GXL TINNED COPPER - 16" FREE

3. CURRENT DRAW/TORQUE

A. CONTINUOUS: 0.04 AMPS @12VDC

B. OPERATING: 2 AMPS TYP @100 IN-LBS @12VDC

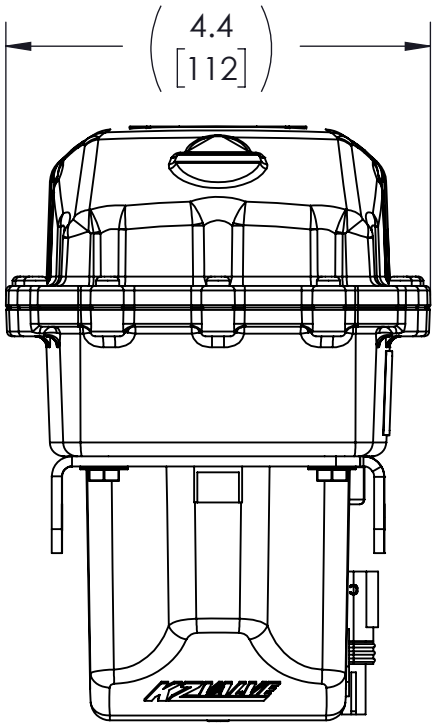
C. SEVERE: 3.1 AMPS @200 IN-LBS @12VDC

D. STALL (LOCKED ROTOR): 8.2 AMPS @440 IN-LBS @12VDC

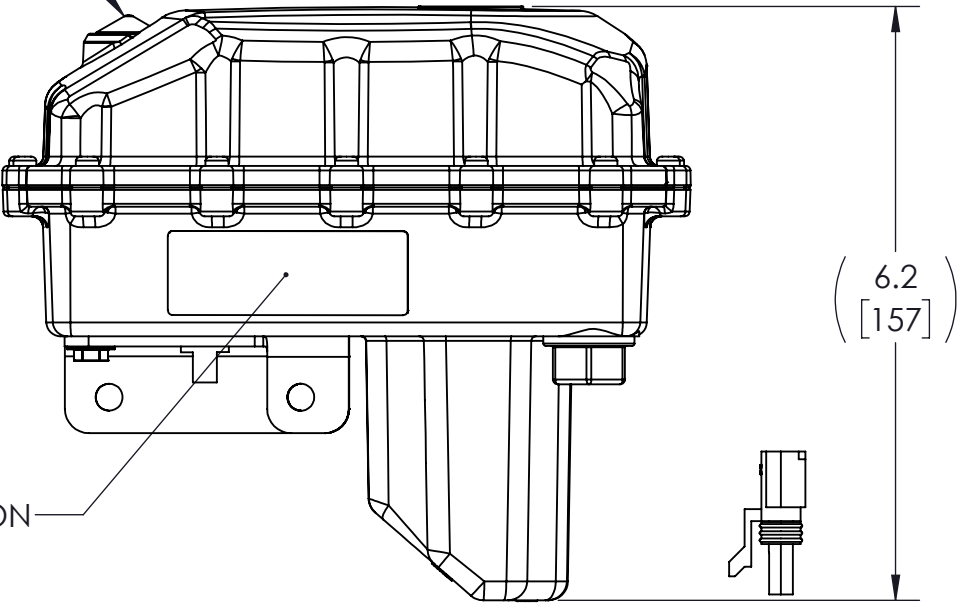
E. FEEDBACK LINE: 40 mA MAX

4. CONNECTOR: 3-PIN WEATHER PACK TOWER

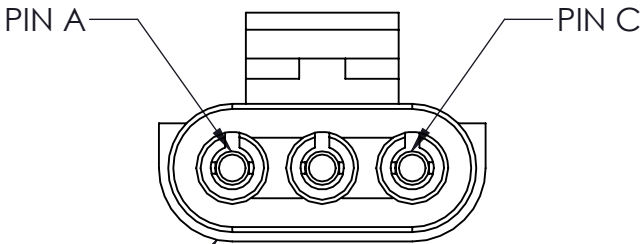
A. PIN MATERIAL: TIN-PLATED BRASS



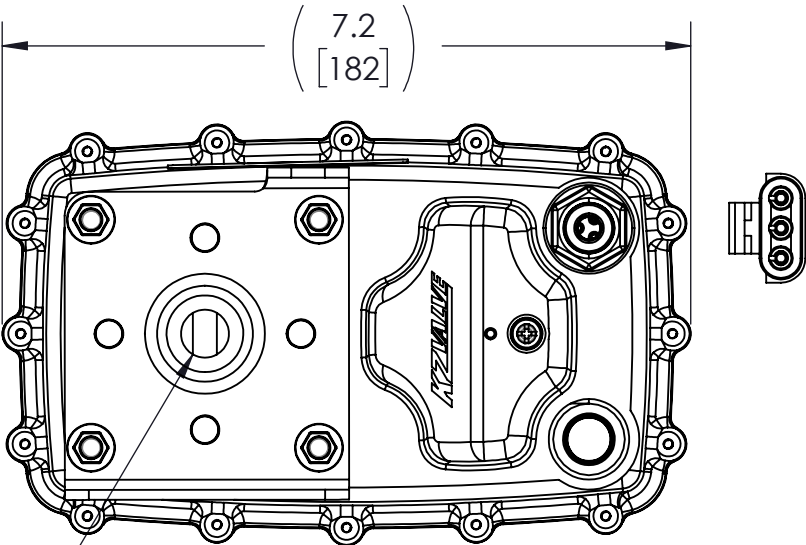
LED VIEWPORT



LABEL LOCATION



PINOUT / FUNCTION
PIN A (RED) - POWER IN V(+)
PIN B (BLACK) - POWER IN V(-)
PIN C (WHITE) - SIG 1 V(+) CCW TO POS 1



SHAFT ORIENTATION SHOWN AT POSITION 0 (DEFAULT)

BOTTOM VIEW

LED INDICATOR STATES			
INDICATOR	RATE	COLOR	STATUS
BLINKING	5.0 Hz	RED	TRAVELING CW TO POSITION 0
SOLID	-	RED	CURRENTLY AT POSITION 0
BLINKING	5.0 Hz	GREEN	TRAVELING CCW TO POSITION 1
SOLID	-	GREEN	CURRENTLY AT POSITION 1
BLINKING	2.8 Hz	YELLOW	FAULT/TIMEOUT

CONFORMS TO ASME STANDARDS Y14.5-2009

-STANDARD TOLERANCES-
-ALL DIMENSIONS IN INCHES [mm]-

.X±0.1

.XX±0.01

.XXX±0.005

.X°±1°

TOTAL RUNOUT: .005 FIM

CORNER BREAK: .001/.010

SURFACE FINISH: 125 µIN

DENSITY: 0.035 LBM/CU IN
MASS: 1.356 LBM
SURF AREA: 537.993 SQ IN
VOLUME: 38.572 CU IN

DESIGNED BY: Evan Schwahn

DRAWN BY: Evan Schwahn

APPROVED:

SCALE: 1:2

SIZE: B

MATERIAL: AS NOTED

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TITLE: ACTUATOR, EH2, 1.5S@12/24VDC, NO FB, 90 DEG, WP3T

PART NO: 10EYS-P01

DRAWING NO: 10EYS-P01

REV: 1

SHEET: 1 OF 1