

DESIGN NOTES:

1. PART NUMBER: NMZB28-LOEBS-D01
2. KZVALVE ACTUATOR SERIES: EH8
3. ACTUATION TIME: 0.2S @ 12/24 VDC
4. AMBIENT OPERATING TEMP: -40°F TO 185°F (-40°C TO 85°C)
5. AMBIENT STORAGE TEMP: -67°F TO 221°F (-55°C TO 105°C)
6. ENCLOSURE RATING: IP68 PER ISO 20653
7. UP TO 90 DEG OF TOTAL TRAVEL - ROTATION TO OPEN STATE IS
CLOCKWISE WHEN VIEWED FROM THE BOTTOM SIDE
8. ELECTRICAL

1. OPERATING INPUT VOLTAGE: 9-32 VDC

2. CURRENT DRAW

1. NORMAL OPERATION: 0.4 AMPS

2. CONTINUOUS (RUNNING STATE): 0.04 AMPS

3. STALL (LOCKED ROTOR): 1.6 AMPS

3. CANBUS OPERATION

1. HIGHER LVL CAN PROTOCOL: ISOBUS 11783/J1939

2. BAUD RATE: 250 KBPS

3. DEFAULT ADDRESS: 190

4. TERMINATION: NO TERMINATION IN DEVICE, END OF
BUS MUST BE TERMINATED EXTERNALLY

4. CONNECTION: 4-PIN DEUTSCH RECEPTACLE

1. PIN MATERIAL: GOLD-PLATED BRASS

5. PINOUT

1. PIN 1: POWER IN (-)

2. PIN 2: CAN LOW

3. PIN 3: CAN HIGH

4. PIN 4: POWER IN (+)

9. VALVE

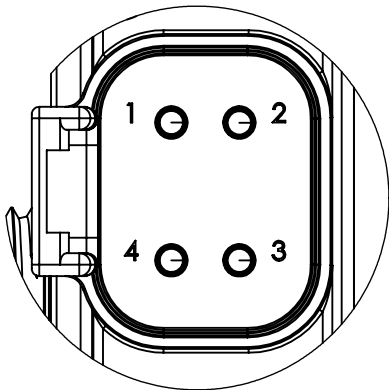
6. WETTED MATERIALS: FKM, CG REINFORCED PTFE, NYLON,
316 SS

7. MAX PRESSURE DIFFERENTIAL: 150 PSI @ 70°F

8. MAX BODY PRESSURE: 300 PSI @ 70°F

9. FLOW RATE: 1.1 GPM @ 1 PSI PRESSURE DIFFERENTIAL

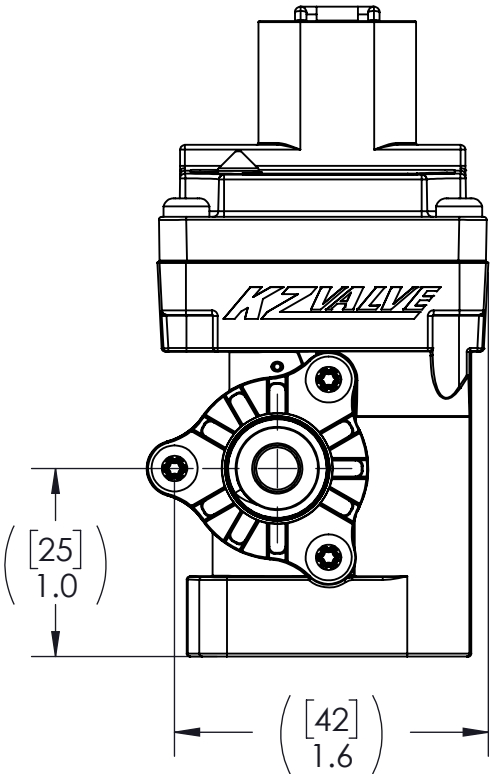
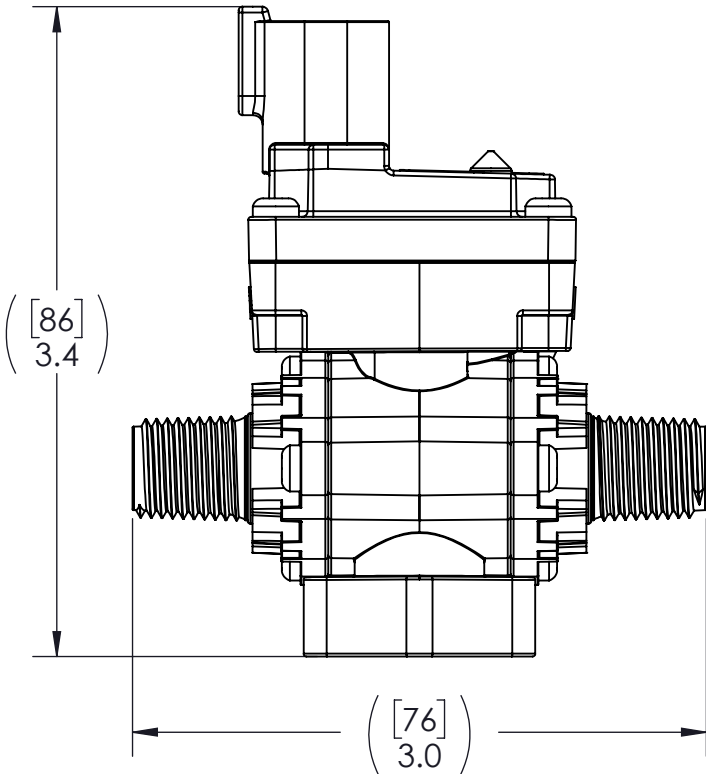
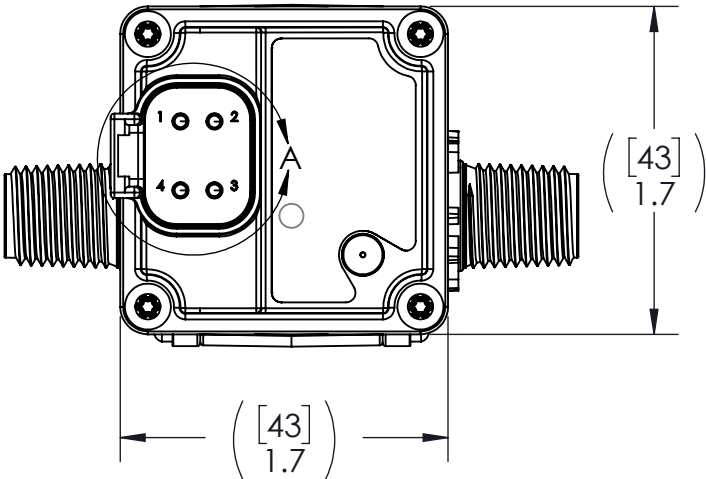
10. CONNECTIONS: 2X 1/4" MNPT CONNECTIONS





DETAIL A
SCALE 2 : 1

LED INDICATOR STATES			
INDICATOR	RATE	COLOR	STATUS
SOLID	-	GREEN	CURRENTLY AT ON POSITION
SOLID	-	RED	CURRENTLY AT OFF POSITION
BLINKING	2.8 Hz	RED	FAULT/TIMEOUT

CONFORMS TO ASME
STANDARDS Y14.5-2009



CUSTOMER REVISIONS			
REV	ECN	CHANGE	MODIFIED BY
1	24-0723	CREATED CUSTOMER PRINT	Austin Gemar
2	24-0723	ADDED LED TABLE	Austin Gemar

-STANDARD TOLERANCES- -ALL DIMENSIONS IN INCHES [mm]-		DESIGNED BY: Evan Schwahn		 <div>23860 KZ PARKWAY GREENWOOD, NE 68366 USA PHONE: +1.402.944.2767 FAX: +1.402.944.2402</div>
.X±.1 .XX±.01 .XXX±.005 .XX°±1°	TOTAL RUNOUT: .005 FIM CORNER BREAK: .001/.010 SURFACE FINISH: 125 µIN 	DRAWN BY: Evan Schwahn		
<div>DENSITY: 0.047 LBM/CU IN MASS: 0.191 LBM SURF AREA: 87.555 SQ IN VOLUME: 4.089 CU IN</div>		APPROVED:		TITLE: ACTUATED VALVE, EH8, 2 WAY, DT, 1/4" SS BALL, 1/4" NPT, 0.2S@12VDC, CAN, LED
		SCALE: 1:1	SIZE: B	
<div>MATERIAL: AS NOTED</div>		PART NO: NMZB28-LOEBS-D01		REV: 3
		DRAWING NO: NMZB28-LOEBS-D01		SHEET: 1 OF 1