



# Event Diversion Systems

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## Component Specification

### COMPONENT DESCRIPTION

3" Full Port PVC Socket Double Union End Electrically Automated Ball Valve, with 100 feet of conductor cable - This is a single valve that allows or blocks access to a specific drain. This Electrically automated diverter valve is equipped with an IP68 water proof cord gland and water proof cable to power and control the automated valve.

### MANUFACTURER

Altitude Systems, LLC  
(714) 880-9992  
5192 Bolsa Avenue Suite 6  
Huntington Beach, CA 92649

### WARRANTY

3 Years Limited

### PHOTOGRAPH



### DIMENSIONS

Actuator  
10" Long X 6.25" Wide X 5.90" High  
X 17.75LBS  
Valve  
4.75" Long X 4.50" Wide X 4.75"  
High X 5LBS TOTAL MAX 10" Long X  
8" Wide X 18" High X 25LBS

### MATERIALS OF CONSTRUCTION

Valve - Body PVC, Stem O-ring EPDM, Stem PVC, Ball PVC, Seat Seal PTFE, Carrier O-ring EPDM, Seat Carrier PVC, Union O-ring EPDM, End connector PVC, Union nut PVC

Actuator – Die cast Aluminum housing - Alloy steel with heat treated gear driving unit

### CABLE GLAND

1/2" NPT Nylon moisture resistant IP68 strain relief - For 0.62" max diameter cord



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### CABLE

100 Feet long X 0.60 O.D. SOOW 18 AWG 10 conductor cable stranded fully annealed copper, Jacket Black, Conductor colors 1- Black 1- White 1- Red 1- Green 1- Orange 1- Blue 1- White/Black 1- Red/Black 1- Green/Black 1- Orange/Black Jacket temperature range -40 +90C High Resistance to UV, Oil and Moisture - 600 Volts

### MOUNTING/END CONFIGURATION

Valve - Double union PVC Female socket Actuator – ISO 5211 adapted

### ELECTRICAL

Actuator – Power Supply 110 VAC +or- 10% @ 60 Hz, 0.65 Amps, 30% duty rating, 2 sets of limit switches, 1 for control, the second for independent end of travel indication, internal anti-condensation heater, Built-in auto reset thermal overload protection

### MECHANICAL

Valve – 90 degree Full port ball type valve with double union end connections, 150 PSI rating at 23 degrees C, Adjustable seat tightness, Actuator – Integral worm gear and drive shaft, Detachable crank handle manual override, 90 degree operation at 30 seconds - Ambient temperature -30 degrees C to + 60 degrees C, Mechanical stoppers in both directions

### CERTIFICATIONS

Actuator – ISO 5211, CE, IP68 Valve - ANSI  
Cable – UL subject 62, CSA C-22.2-49, MSHA, ROHS, ASTM B-174, Water Resistant. Abrasion Resistant, Oil & Solvent Resistant, Ozone Resistant, Ozone Sunlight (UV) & Weather Resistant  
Cord Gland - ROHS, IP68 (certified 3 meters for 48 hours)

### SPECIAL NOTES

Valve and actuator are adapted together with a stainless steel bracket and hardware. The actuator comes pre-wired pre-tested and sealed. The whole system comes completely pre-configured and pre-tested with all system components.  
Mounting Direction – Any Direction  
The actuator is certified for temporary submersion