



Dual Display Monitor with Beacon™ and TouchSet™ Cams

## AccuTrak™ 2000

### General Purpose/Explosionproof

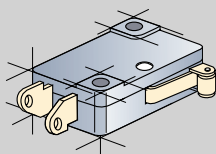
#### High Visibility Position Monitoring

The AccuTrak 2000 is designed to enable the process engineer to add as much feedback from a control valve as the situation requires. The NEMA 4, 4x, 7, 9 rated aluminum enclosure is equipped with two mechanical switches and a Beacon high visibility monitor for instant recognition of valve position up to distances of 150 feet. A unique self-locking, spring-loaded TouchSet cam mechanism allows for instantaneous hand setting of limit switches requiring only five seconds each. A pre-wired numbered and color coded terminal block provides ease and convenience of wiring. Optional analog transmitters provide full

range monitoring of valve position throughout a 0-100% range. Point to point limit switch signalling combined with continuous on-site visual monitoring and optional analog output are all available in one compact UL/CSA enclosure.



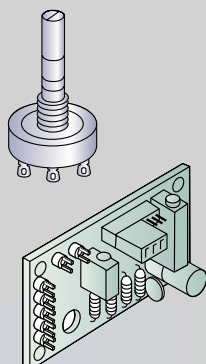
#### Standard Sensor Options



#### Micro-Switch V3

AMPS	SPDT (V3)		VDC	DPDT (Licon)		
	VAC	VDC		AMPS	VAC	VDC
15	125			10	125	
15	250			10	250	
6		24		10		28
.5		125				
.25		250				

#### 0-100% Position Transmission



#### Resistive Output Signal

Standard Output Signal	1000 ohms
Power Rating at 70°C	1 watt
Elements	Conductive Plastic
Rotational Life (no load)	100,000 cycles

#### Current Output Signal

Standard Output Signal	4-20 mA DC, 2 wire
Power Requirements	6.5-33 VDC
Max. Load Resistance at 24 VDC	950 ohms
Operating Temperature	-40°C to 85°C

# AccuTrak™ 2000

### AREA CLASSIFICATIONS

**NEMA 4, 4x, 7, 9**  
**Class I, Groups C, D**  
**Class II, Groups E, F, G,**  
**Divisions 1 & 2**

### ENCLOSURE

Conduit Entries	NEMA 4: (1) 1/2" NPT NEMA 4, 4x, 7, 9: (2) 3/4" NPT
Terminal Strip	8 contacts standard 16 contacts available

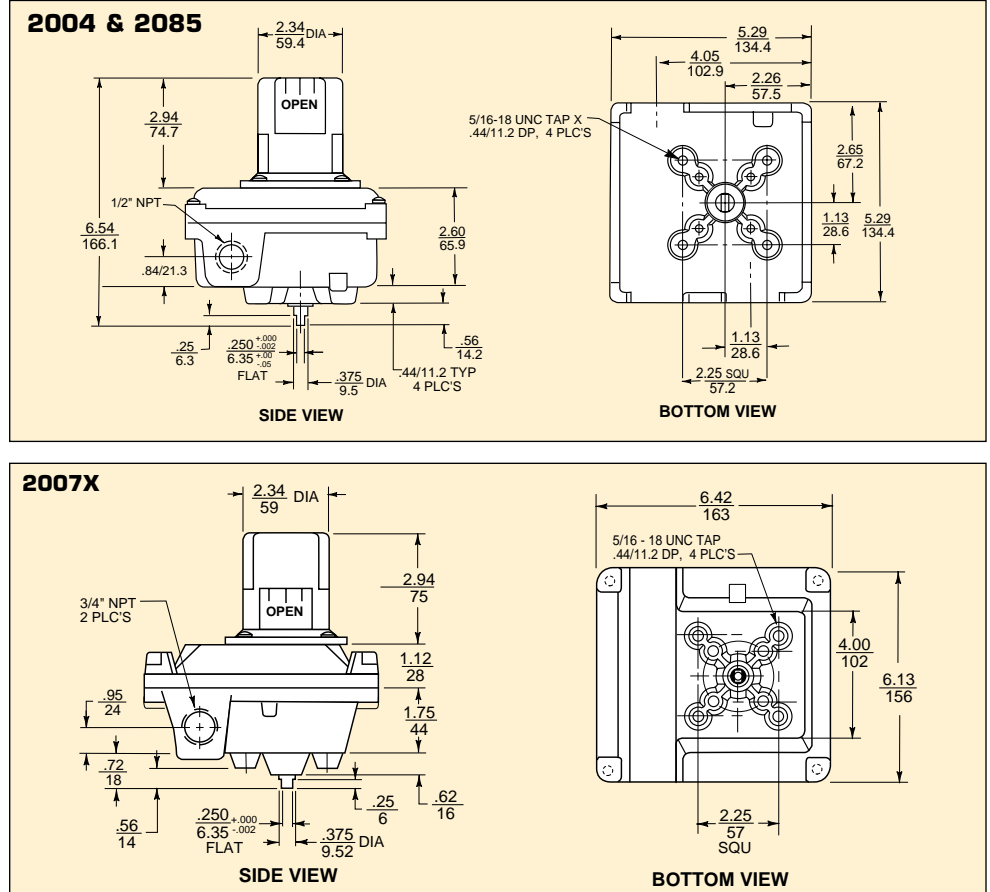
### MATERIALS OF CONSTRUCTION

Housing	Die Cast Aluminum
Cover	Die Cast Aluminum
Coating	Polyester Powder
Shaft	Stainless Steel
Fasteners	Stainless Steel
Beacon	Copolyester


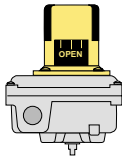

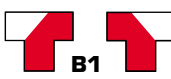




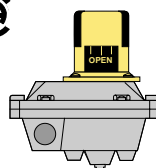



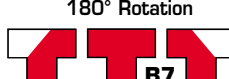

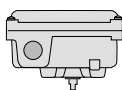

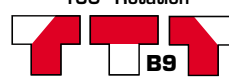
### APPROVALS / CERTIFICATION

**UL** (Underwriters Laboratories, Inc.)  
**CSA** (Canadian Standards Association)

### DIMENSIONS (inches /mm)



### ORDERING GUIDE

ENCLOSURE	BEACON™	3-WAY BEACON™	TRANSMITTERS
<b>2004</b> 2 SPDT Mechanical Switches NEMA 4, 4x  	<b>STANDARD</b> (Black & Yellow) <b>BY</b> 	90° Rotation 	1000 ohms <b>RS</b>
	<b>ANSI YELLOW</b> (Inherently Hazardous) <b>AY</b> 	90° Rotation 	4-20 mA <b>CS</b>
<b>2007X</b> 2 SPDT Mechanical Switches NEMA 4, 4x, 7, 9 Class I, Grps. C & D Class II, Grps. E, F & G Divisions 1 & 2   	<b>ANSI GREEN</b> (Liquid-Low Hazard) <b>AG</b> 	90° Rotation 	
	<b>ANSI BLUE</b> (Gas-Low Hazard) <b>AB</b> 	180° Rotation 	
<b>2085</b> 2 SPDT Mechanical Switches NEMA 4, 4x   <p>No output shaft (cannot accept beacon)</p>	<b>ANSI RED</b> (Fire Quenching) <b>AR</b> 	180° Rotation 	

**Ordering Example:** Dual Display Monitor (2 SPDT switches) with standard black and yellow Beacon, 1000 K potentiometer (NEMA-4 enclosure). **2004-BY-RS**

**Options Available:** 4 SPDT switches (2007X only), 2 DPDT switches, epoxy coatings, anodizing, gold alloy contacts, optional terminal strips, resistive outputs. (Consult Price Sheet)