

Westlock Pharma II and AccuTrak 9881 provide position and control monitoring for linear sanitary diaphragm valves. They are both weatherproof and the Pharma II offers network connectivity.



Technical data

Agency approvals

Enclosure standards (IEC)

Pharma II IP55

Switches

Pharma II 99P2 Hermetically sealed dry contact switch elements

Pharma II 76P2/77P2 Hall effect sensors

AccuTrak 9881 Magnum (hermetically sealed proximity type) switches

Enclosures

Pharma II Engineered resin

AccuTrak 9881 Aluminum

Features

Pharma II

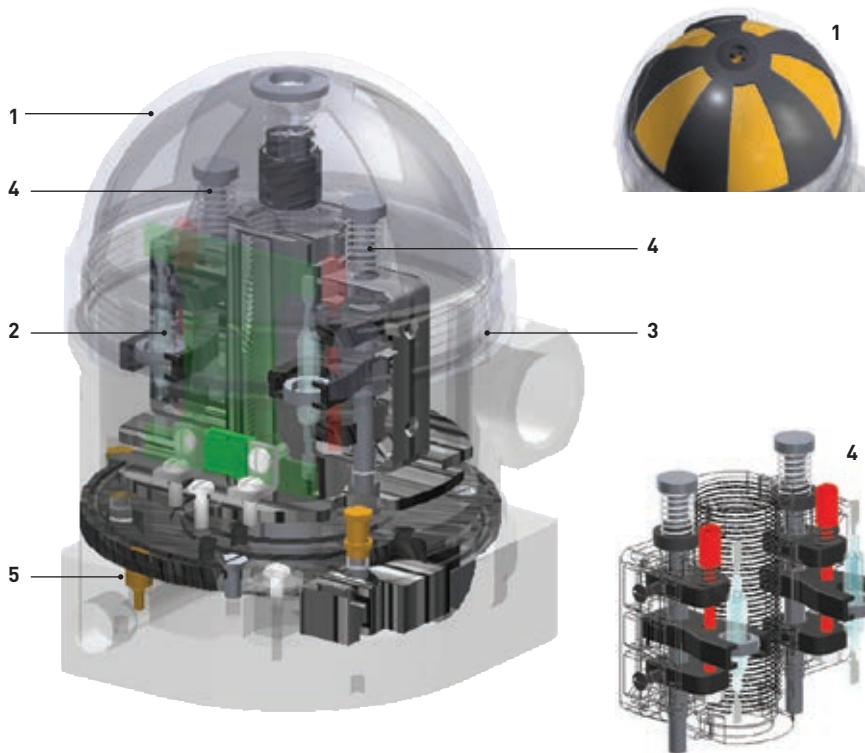
- Compact 95 mm height (without solenoid).
- Low profile and tool-free access ideal for short bend radius installations.
- Non-contact, solid state Hall effect sensors provide premium reliability, even in high cycle applications.
- Zero current leakage means excellent performance in low current I/O systems.
- QuickSwap twist lock installation allows easy integration of puck style solenoid valve base.
- QuickSwap conventional and network electronic modules.
- Easy access to terminal strip for internal wiring.
- Modular design allows the quick change out of electronics/switch module or solenoid.
- Network connectivity via DeviceNet™ (76P2) and AS-Interface® (77P2) protocols.

AccuTrak 9881

- Mounting kits available for all sanitary actuators.
- Mechanical visual position indicator available as an option.
- Terminal strips are pre-wired and numbered with generous working space for ease of use and extra wiring points for solenoid integration.
- Aluminum enclosures with low copper content (0.2% max.) ensure robust performance in corrosive environments.
- Thumbscrew trigger adjustments allow quick and simple hand setting of position sensors.
- Eliminator integrated coupling option for attachment of solenoid valve.

Pharma II 99P2/76P2/77P2

Non-hazardous Position and Control Monitors



1. High definition visual indicator

The patent pending design of the HDVI allows 360° viewing from up to 100 feet away. The HDVI is also self-setting for all stroke lengths. It is incorporated as an integral part of the screw top, easy access enclosure.

2. 99P2: Hermetically sealed bifurcated dry contact switch elements.

76P2/77P2: Hall effect sensors offer enhanced reliability in extreme environments. As there are no moving parts in the sensor or magnet, they typically have a longer life than traditional switches.

3. Tool-free access with screw top cover.

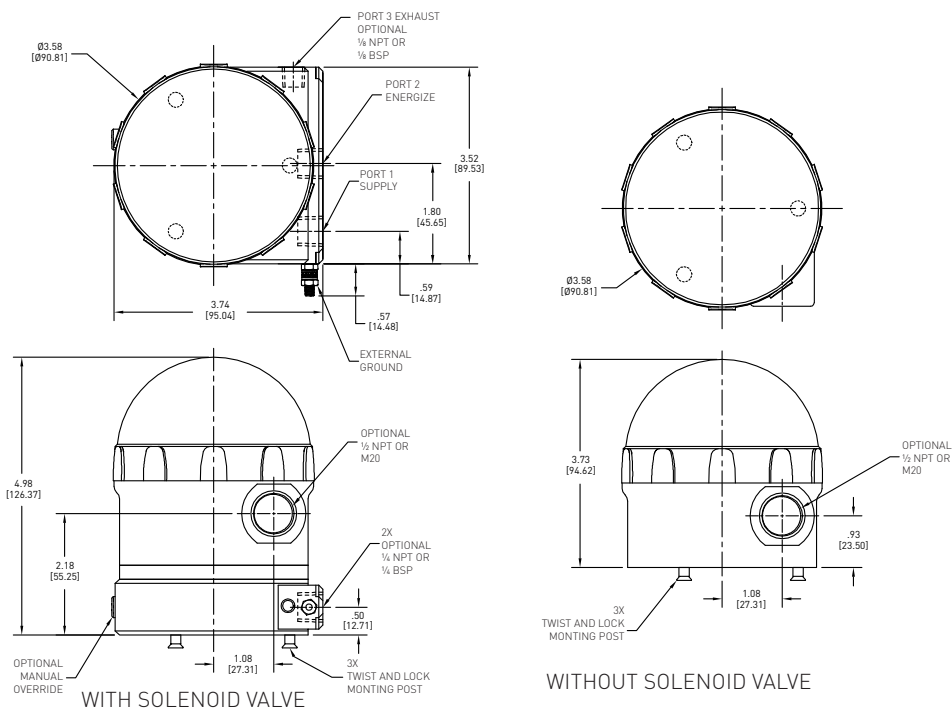
4. Self-setting limit switches

Self-setting position limit switch assembly is engineered to reduce control room nuisance alarms and false trips created by changes in seat durometer.

5. Solenoid spool design

Integrated puck style base mounted solenoid.

Pharma II dimensions



Dimensions in inches, where available metric dimension (mm) in parentheses.

Technical specifications

Materials of construction

Enclosure	Engineered resin
Beacon	Co-polyester
Solenoid valve	Stainless steel (with engineered resin block)

Available switches

99P2	Hermetically sealed bifurcated dry contact switch elements
76P2/77P2	Hall effect sensors

Notes

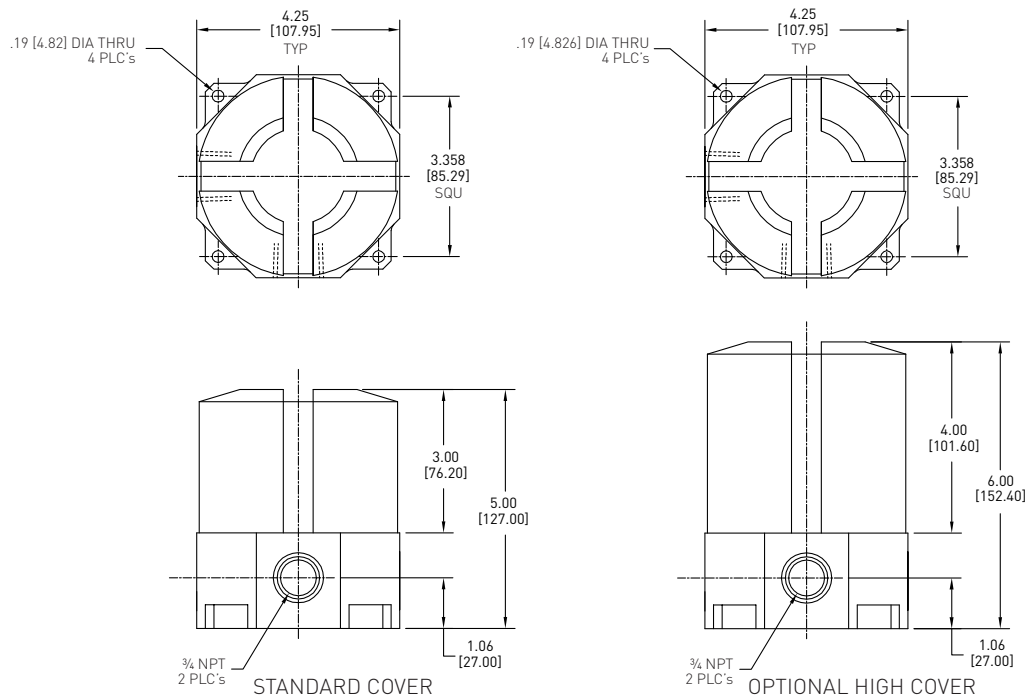
Mounting kits

Mounting kits sold separately; please contact your local sales representative for mounting kit part numbers and pricing.

Switches and sensors

For further information see our switches and sensors data sheet.

AccuTrak 9881 dimensions



Dimensions in inches, where available metric dimension [mm] in parentheses.

Technical specifications

Materials of construction

Enclosure Aluminum with powder coat finish

Available switches

Magnum, SPDT hermetically sealed switches with tungsten contacts

Notes

Sanitary valve ordering code

(see selection guide)

Switches and sensors

For further information see our switches and sensors data sheet.

Mounting kits

Mounting kits sold separately; please contact your local sales representative for mounting kit part numbers and pricing.

Specifying your control monitor

Specifying a control monitor is a complex process as there are many variables which affect each individual application. To ensure that you receive the best possible combination for your control and monitoring requirement, please contact your local sales office for advice and guidance from one of our experts.

Hazardous area classification

Please see our data sheet for further information on the global standards affecting the specification and installation of equipment in hazardous areas.

Sanitary Valve Position and Control Monitors

Selection Guides

Pharma II				
Base model				
99P2	Pharma II			
76P2	DeviceNet™			
77P2	AS-Interface® v3.0 (for version 2.0 contact your sales representative)			
Conduit size				
1A	One ½" NPT (F) fitted with gland fitting			
1M	One ½" NPT (F) fitted with mini-connector (not available with 99P2)			
1U	One ½" NPT (F) fitted with micro-(Euro) connector (not available with 99P2)			
1C	One M20			
2G	One ½" NPT (F) and one ½" NPT (M) eliminator fitting			
Solenoid coil voltage				
0	None			
D	24 V DC			
A	120 V AC (99P2 only)			
Spool valve				
000	None			
550	0.1 Cv, 3-way, stainless steel			
Override option				
0	None			
L	Locking			
76P2	1M	D	550	L = Model number 76P21M05500L

AccuTrak 9881										
Base model										
9881	Aluminum enclosure									
Shaft output										
0	None									
Beacon										
00	No indicator									
MI	Mechanical indicator (not available on all applications)									
Conduit										
1B	One ¾" NPT (F), (standard when ordered with Falcon solenoid valve below)									
2B	Two ¾" NPT (F), (standard)									
2E	One ¾" NPT (F) and one ½" NPT (M) eliminator fitting*									
Sanitary valve ordering code										
XXXX										
Model Code										
ITT	Valve Size	ASEPCO	Valve Size	SAUNDERS	Valve Size					
I001	¼" (Biotek)	A001	½"	S001	¼"					
I002	½"	A002	1"	S002	½"					
I003	¾"	A003	2"	S003	¾"					
I004	1"	A004	3"	S004	1"					
I005	1½"			S005	1½"					
I006	1½" Style 33	GEMU	Valve Size	S006	2"					
I007	2"	G001	½" to ½" Style 605							
I008	2" Style 33		⅜" to ¾" Style 625							
I009	3" and 4" Style 47	G002	½" to 1" Style 687							
I010	3" and 4" Style 33	G003	1½" Style 687							
		G004	2" Style 687							
Analog position transmitter										
00	None									
Coil Voltage										
0	None**									
Falcon Valve Body										
00	None**									
Special Valve Features										
0	None**									
Override Options										
0	None**									
9881	0	MI	2B		A002	00	0	00	0	0 = Model number 98810M12BA0020000000

* Eliminator fitting is ½" NPT (M) for the purpose of mounting an aftermarket solenoid valve.

** For solenoid options, please consult your sales representative.

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