ITT

Neo-Dyn®

Neo-Dyn® Pressure Switches
POWER PLANT HIGH DC VOLTAGE SWITCH

While calling on the power companies we continually run across applications that require a high (125 VDC) switch rating. These applications are usually associated with an older section of the plant where 125 VDC was the normal operating voltage. Many of the pressure switch applications in these areas utilized Mercoid pressure switches that use mercury bottles to switch these higher electrical loads. While most power plants are converting over to 24 VDC operating voltages, and eliminating mercury switches, there are still areas where the 125 VDC requirements exist.

Weather Proof
(NEMA 4 & 13)

Series 100P

The problem with conventional snap action type switch elements, (Used by most competitors) is their inability to switch much more than 0.5 amps resistive loads at 125 VDC. Inductive loads decrease the current carrying ability to 0.25 amps. This is just not sufficient to satisfy some of the older applications that were used for motor control and other requirements up to 3-5 amps.

The good news is the ITT Neo-Dyn can install a special MT4R micro switch element into our standard 100P Series. This micro switch increases the current switching capability to 10 amps @ 125 VDC! Our competition can't use this special micro switch without increasing the deadband on their switch to the point they become unusable. ITT Ne-Dyn's use of the Belleville disc spring allows us to supply adjustable ranges and deadbands approximately the same as our standard product.

The following Special 100P Series switches have already been set up with the MT4R switch element.

Model Number	Base Model	Adjustable Range
100P5S1639	100P51C3	6 - 75 PSI
100P5S1640	100P52C3	18 - 150 PSI
100P5S1641	100P54C3	55 - 300 PSI
100P5S1642	100P55C3	125 - 600 PSI
100P5S1662	100P57C3	500 - 1500 PSI

Please contact the factory for price and delivery on these special switches.

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Engineered for life