

SERIES 46 W



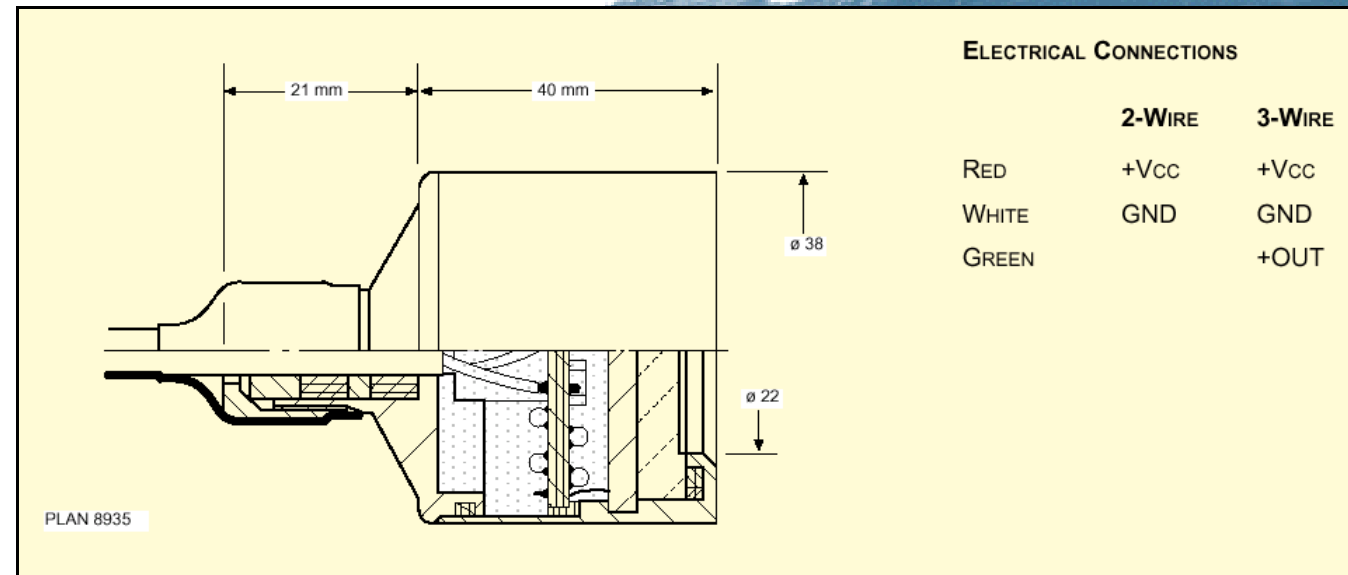
SUBMERSIBLE TRANSMITTERS FOR WATER LEVEL MEASUREMENTS

This submersible water level transmitter is notable for its excellent long term stability, rugged build, high accuracy and good linearity. The KAVLICO low pressure capsule measures the pressure generated by the head of water above it very accurately, and is enclosed in a sealed stainless steel housing with the diaphragm protected by a gold layer. A neoprene O-ring seals the sensing diaphragm to the housing. The transmitter circuit is based on the KELLER "Progres" ASIC, and can be reprogrammed by the user before or after installation (programmable version only).

Level transmitters can be subject to internal condensation caused by installations in cold water on warm, humid days. If the reference tube is not terminated in a warm, dry enclosure, KELLER recommends the use of a purpose built cartridge filled with a silica gel which is fitted at the end of the reference tube.

SPECIFICATIONS

	Pressure Ranges (FS) in metres W.G.		
Version PR-46 W, Gauge	0,1	0,2	0,5 1 2 4 10
Overpressure	10 x FS for < 200 mbar, 5 x FS for > 200 mbar		
Type	2-Wire	3-Wire	3-Wire
Supply	8...28 VDC	8...28 VDC	13...28 VDC
Signal Output	4...20 mA	0...20 mA	0...10 V
Load (Ω)	< (U-8V)/0,02A	< (U-5V)/0,02A	> 5K
Linearity	0,2% FS (option: 0,1% FS)		
Hysteresis and Repeatability	0,03% FS		
Stability	0,1% FS typ.		
Operating Temperature	0...50°C		
- T.C. of Zero	0,015% FS/°C typ.	0,02% FS/°C max.	
- T.C. of Sensitivity	0,01%/°C typ.	0,02%/°C max.	
Cable Type	\varnothing 7,3 mm, polyurethane, integrated reference tube		
Cable Length	5 metres standard		
Materials Contact with Media	- Housing: Stainless steel (type AISI 316L) - Diaphragm: Ceramic, gold plated - Neoprene O-ring		
Weight	≈350 gramme		
Options	Programmable, cable length, silica gel capsule, other pressure ranges		



Subject to alterations