Instrument housing

7401

– Suitable for all PR head-mounted transmitters
– 3 conduit openings for relevant process connections via e.g. thermowell, flexible couplings, cable glands etc.
– Options: Aluminum with blind cover or window or 316 stainless steel with window
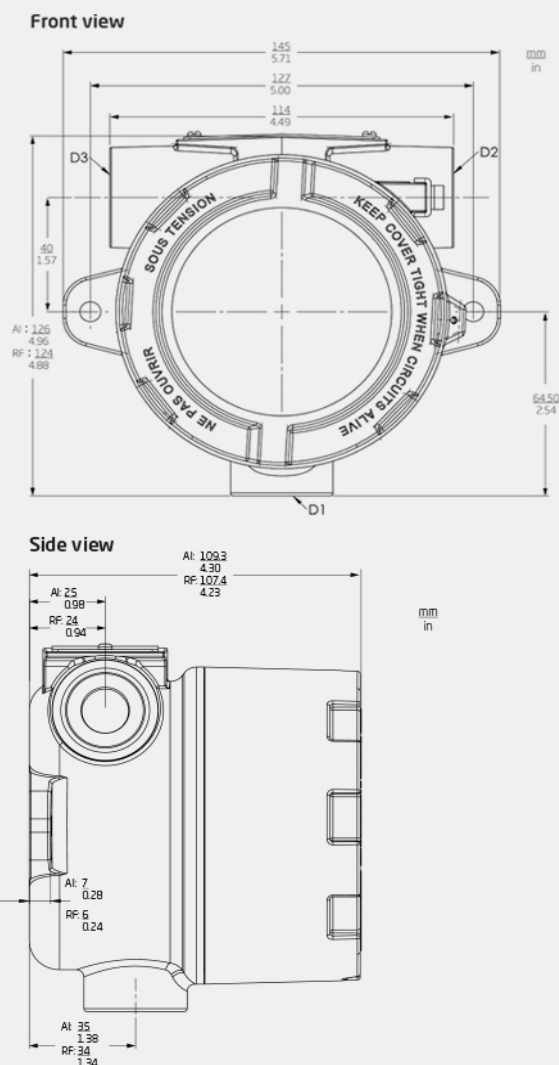– Installation in harsh environments IP54-IP68

Application
• Enclosure for mounting of head-mounted transmitters.
• Suitable for Ex / I.S. installation in hazardous area according to the installation requirements of the specific transmitter.

Mounting / installation
• Mounting on 1.5"–2" pipe bracket or on wall / bulkhead.
• PR transmitters in the 53xx and 54xx series can be easily installed in the housing with the included metal plate. For Ex / I.S. installations, the installation instructions for the specific transmitter must be followed. Ex marking is shown on the label of the installed transmitter.

Applications

Front view

Side view

Order

Type	Housing		Window		O-ring		Conduit thread (D1, D2 & D3)		Paint type		Cover color	
7401	Low copper aluminum (AL)	: A	No	: 1	-40 to +85°C silicone rubber	: A	M20x1.5 6H	: 1	Epoxy	: A	Red	: -
			Yes	: 2	-20 to +85°C FKM rubber	: B	½ NPT mod.	: 2	Epoxy + polyurethane	: B		
			Yes	: 2							Gray	: GY
7401	316 Stainless steel (RF)	: B	Yes	: 2	-40 to +85°C silicone rubber	: A	M20x1.5 6H	: 1	None	: N	Steel	: -
					-20 to +85°C FKM rubber	: B	½ NPT mod.	: 2				

Example: 7401A2B1A = Aluminum, window, FKM rubber O-ring, M20x1.5 6H conduit, epoxy, red

NB: Head-mounted transmitters must be ordered separately and can be installed in the housing by PR electronics on request.

Environmental Conditions

Operating temperature.................................... -40°C to +85°C (with silicone O-ring)

Operating temperature.................................... -20°C to +85°C (with FKM O-ring)

Storage temperature...................................... -40°C to +85°C

Relative humidity... 0...100% RH (condensing)

Protection degree.. IP54 / IP66 / IP68 / type 4X

Corrosion class 7501AxxxBxxxx / durability...................................... C5-I/M / 5...15 years

Mechanical specifications

Dimensions... Ø 110 mm

Dimensions (HxWxD), aluminum................... 109.3 x 145 x 126 mm

Dimensions (HxWxD), stainless steel... 107.4 x 145 x 124 mm

Weight approx., aluminum / stainless steel................................ 1.3 / 2.8 kg

Internal volume... 580 cm^3

Observed authority requirements

RoHS.. 2011/65/EU