

HAZARDOUS LOCATION SWITCH & TRANSMITTER



The Mid-West Instrument experience: Proven Product for you.

- Over 60 Years of proven design in the field for use in Hazardous locations
- CSA, UL, KOSHA, IECEx Certifications
- LVD RoHS Compliant
- Certifications apply to the entire assy. as mandated by Hazardous Location Stds.
- 3-4 Unannounced inspections by CSA and UL per year
- Yearly ATEX and KOSHA audits
- See individual models for complete specifications

HAZARDOUS LOCATION SWITCH & TRANSMITTERS							
MODEL NO. / BULLETIN	120	121	130	140	142	220	240
MINIMUM DP RANGE - PSID	5	5	5"H2O	50"H2O	20"H2O	5	20"H2O
MAXIMUM DP RANGE - PSID	110	100	400"H2O	100	25	100	100
MAX WORKING PRESSURE. - PSIG	5000	Up to 6000	500	3000	3000	Up to 4000	1500
ACCURACY (% F.S.) *	*2	*2	*2 or *5	*2 or *5	*2	*2	*2
LVD RoHS Compliant	X	X	X	X	X	X	X
ATEX Ex d IIB + H2 Ex tb IIIC IP65, KOSHA Certified						X	X
CLASS I, DIV II, GRP. A, B, C & D CLASS II, DIV II, GRP F & G	X	X	X	X	X	X	X
CLASS I, DIV I, GRP. C & D CLASS II, DIV. I, GRP E, F, & G	X		X	X			
CLASS I, DIV I, GRP B, C & D CLASS II, DIV I, GRP E, F, G						X	X
CSA CERTIFIED	X	X	X	X	X	X	X
UL LISTED Ce Marked (Low Voltage Directive)	X	X	X	X	X	X	X
COLOR CODED FLYING LEADS	X		X	X			
TERMINAL STRIP INTERFACE		X			X	X	X
NEMA 4X	OPT	X	OPT	OPT	X		
IP65 / IP66		X			X	X	X
1/2" CONDUIT / CABLE	X	X	X	X	X	X	X
SWITCH SPECIFICATIONS							
SPDT, 3W, 120 VAC/VDC, 0.25 AMPS	X	X	X	X	X	X	X
SPST, 25W, 240 VAC/VDC, 0.5 AMPS NO				X	X		
SPST, 60W, 240 VAC/VDC, 3 AMPS NO	X	X				X	X
SPST, 60W, 240 VAC/VDC, 3 AMPS NC	X	X				X	
SPDT, 60W, 240/VAC/VDC, 1 AMP	X	X				X	X
RELAY OUTPUT SPDT 10 Amps (Power req'd)						X	X
RELAY OUTPUT DPDT 10 Amps (Power req'd)						X	X
4-20 mA Transmitter (8-28 VDC Loop Power)		X			X		

* Accuracy ASME B40.100 Grade B = $\pm 3/2/3\%$ Full Scale Ascending / * ASME B40.100 Grade D = $\pm 5\%$ Full Scale Ascending
Division I approved assemblies can also be used in Division II applications



Model No.	Specifications	Installation & Operation Manual	Electrical IOM	Drawings
120	PDF	PDF	PDF	PDF
121	PDF	N/A	PDF	PDF
130	PDF	PDF	PDF	PDF
140	PDF	PDF	PDF	PDF
142	PDF	PDF	PDF	PDF
220	PDF	N/A	IOM_220-ATEX IOM_220-DIV IOM_220-TRANS	PDF
240	PDF	N/A	IOM_240-ATEX IOM_240-DIV IOM_240-TRANS	PDF



HAZARDOUS LOCATION SWITCH/TRANSMITTER DESCRIPTION:

Mid-West Instrument has been designing and manufacturing differential pressure switches for use in Hazardous Locations for over 60 years. Our products carry the following Certifications: CSA, UL, ATEX, CE, IP65/IP66, KOSHA, and LVD RoHS compliance that apply to the entire assembly as mandated by the application Hazardous Location Standards. Certifications are product specific so please verify your certification requirements with one of our knowledgeable Mid-West Sales Coordinators. In order to mark our product with the CSA & UL marks, Mid-West Instrument is subject to unannounced visits by personnel from each certification lab 3-4 times per year. In addition, for the ATEX and KOSHA certification we are subject to a comprehensive audit from a Notified Body representative once every year. **See individual models for complete specifications.**

OEM, PRIVATE LABEL, SPECIAL DIALS

Mid-West Instrument has the capability to design and engineer a Differential Pressure Switch or Transmitters to the exact requirements of the customer. Dial size, Process connection Size and location, etc.. Along with one of the fastest production times in the Industry. Our standard production time on most gauges is 7-10 business days or less. Mid-West Instrument has the equipment and printing technology to provide color dials, flow scales and customer logo dials. Please contact your Sales Coordinator for additional information.

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