TI-P372-26
CTLS Issue 4

LSB31, LSB32, LSB33, LSB34, LSB71, LSB72, LSB73 and LSB74 Limit Switch Boxes for BVA300 Series Actuators

Description

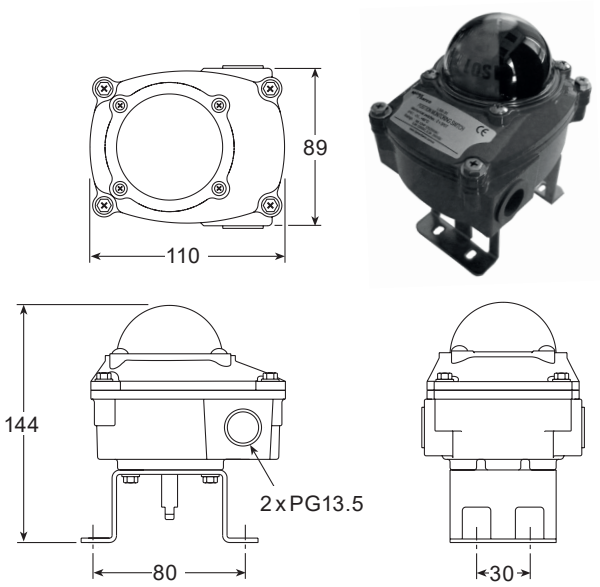
LSB limit switch boxes are normally used for indicating valve open or valve closed position. They also allow switching points to be adjustable over the full range of actuators. There is an open/closed valve position indicator mounted at the end of the switch box axis, at the top of the cover. LSB's include a stainless steel linkage kit for direct mounting to BVA300 series actuators.

Available limit switch boxes:

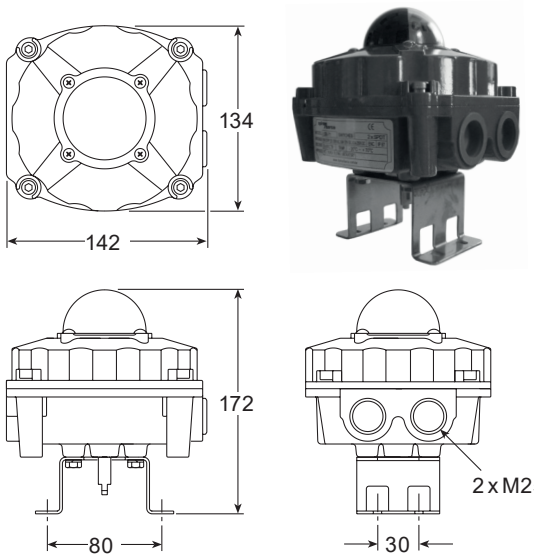
LSB31		Contact switches (2 x SPDT)	
	LSB71	Contact switches (2 x SPDT)	Explosion proof Exd IIC T6
LSB32		10 - 30 Vdc 3-wire proximity sensors	(2 x Autonics PS17-5DNU, PNP)
	LSB72	10 - 30 Vdc 3-wire proximity sensors	(2 x Autonics PS17-5DNU, PNP) Explosion proof Exd IIC T6
LSB33		8 Vdc 2-wire proximity sensors	(2 x P&F NJ2-V3-N; intrinsically safe)
	LSB73	8 Vdc 2-wire proximity sensors	(2 x P&F NJ2-V3-N; intrinsically safe) Explosion proof Exd IIC T6
LSB34		5 - 60 Vdc 2-wire proximity sensors	(2 x P&F NBB3-V3-Z4)
	LSB74	5 - 60 Vdc 2-wire proximity sensors	(2 x P&F NBB3-V3-Z4) Explosion proof Exd IIC T6

Dimensions (approximate) in mm

LSB31, LSB32, LSB33 and LSB34



LSB71, LSB72, LSB73 and LSB74



Technical data

		Standard		Optional
Protection	**LSB3_**	IP67		IP68
	LSB7_	Explosion proof Exd IIC T6, IP67		IP68
Outer cover		Epoxy - polyester		Nylon
Room temperature		-20 °C to +80 °C		-40 °C to +100 °C
Connection socket		8 terminals		
Position indicator		0° to 90° dome type		3-way L-port, T-port
Mounting kit		NAMUR, SS1 or SS2 stainless steel		SS3, MT1
Switch sensor		Mechanical 2-SPDT	**LSB3_**	Proximity sensors - P&F Autonics, Magnetic
				Magnetic sensor
			LSB7_	DPDT switches
				Proximity sensors - P&F Autonics, Magnetic
				Magnetic sensors
				Position transmitter (output 0-1 Kohm, 4-20 mA dc)
Case		**Cast aluminum**		**Stainless steel 316L**