Badran
Control Process Components.

Switch Box

Type SRX

CF8M (316) Stainless Steel Valve Position Monitor available with dual Certified ATEX / IECEx II 2 G / Ex ia IIC T4/6 or II 2 GD / Ex d IIB T4/6 variants providing a high integrity system with protection from corrosive or environmental attack typically found offshore and in onshore process plants.
The IP66 enclosure has a bolt-on cover and top mounted high visibility open / close position indicator, ideally suited for hazardous area locations. For Ex ia applications only, Epoxy Coated Anodized Aluminum version also available

Hazardous

17,40,42,43,52,53,56,59,70

Ex ia IIC T4/5/6

14,16,17,25,40,42,43,52,53,55,56,58,59,70

Ex d IIB T6

Type SRA

Epoxy Coated anodized aluminum Valve Position Monitor dual Certified ATEX / IECEx II 2 GD / Ex d IIB+H2 T4/6 or Ex d IIC T4/6 providing a system suited for zone 1 & 2 hazardous area locations typically found in the onshore process industries.
The IP66 enclosure has a bolt-on cover and top mounted high visibility open / close position indicator.

Hazardous

14,16,17,25,40,42,43,52,53,55,56,58,59,70

Ex d IIB+H2 T4/6 or Ex d IIC T4/6

Type IQ

CF8M (316) Stainless Steel Valve Position Monitor dual Certified ATEX / IECEx II 2 GD / Ex d IIC T6 suitable for zone 1 & 2 hazardous locations and extreme service environments typically found in the offshore, petrochemical and chemical industries.
The IP67 enclosure has a screw-on cover and is supplied with a high visibility open / close position indicator all designed to minimize the total size of the automated valve package.

Hazardous

14,16,17,25,40,42,43,52,53,55,56,58,59,
70,92,93,94,95,96,97

Ex d IIC T4/6

Type SLR

Polycarbonate Valve Position Monitor available in non-hazardous and ATEX / IECEx II 2 GD / Ex ia IIC T4/6 Ex ia versions providing a competitive and technically viable solution to the general and process industries.
The IP67 enclosure design comes with a unique quick access lockable cover allowing for reduced installation costs and space requirements whilst ensuring rugged reliability in the most testing environments.

Non-hazardous

14,16,17,25,40,42,43,70,92,93,94,95,96,97

Hazardous

17,40,42,43,70

Ex ia IIC T4/6

For more information about Badran products please contact us

Tel fax: +98 21 91070886
Email: Info@Badran-co.com
www.badran-co.com

Badran
Control Process Components.

Switch Box

Type AQ

Epoxy Coated anodized aluminum or CF8M (316) Stainless Steel Valve Position Monitor Certified ATEX II 2 G / Ex ia IIC T4/6 for zone 0, 1 & 2 suitable for hazardous locations typically found in the offshore and onshore process industries. The IP67 enclosure has a screw-on cover and is supplied with a high visibility open / close position indicator all designed to minimize the total size of the automated valve package

Non-hazardous

14,16,17,25,40,42,43,52,53,55,56,58,59,
70,92,93,94,95,96,97

Hazardous

17,40,42,43,52,53,56,59,70

Ex ia IIC T4/5/6

Type SQ

Epoxy Coated anodized aluminum Valve Position Monitor Certified ATEX II 2 G / Ex d IIC T5 and provides a system suitable for zone 1 & 2 hazardous area locations typically found in the onshore process industries. The IP67 enclosure has a screw-on cover and is supplied with a high visibility open / close position indicator all designed to minimize the total size of the automated valve package.

Hazardous

16,17,25,40,42,55,70,96

Ex d IIC T5

Type DQ

CF8M (316) Stainless Steel Valve Position Monitor dual Certified ATEX / IECEx II 2 GD / Ex emb IIC T4/6 suitable for zone 1 & 2 hazardous locations typically found in the offshore and onshore process industries. The IP67 enclosure has a screw-on cover and is supplied with a high visibility open / close position indicator all designed to minimize the total size of the automated valve package.

Hazardous

25,58

Ex emb IIC T4/6

Type VSD

CF8M (316) or CF3M (316L) Stainless Steel Valve Controller dual Certified ATEX / IECEx II 2 GD / Ex d (ia) IIC T6 suitable for zone 1 & 2 hazardous locations is an integrated valve information device for emergency shutdown (ESD) valves. Combining valve position monitoring and partial stroke test (PST) functionality, the type VSD unit is an information hub for the ESD valve, enabling plant operators to verify the capabilities of the most critical valves in their installations without having to significantly modify existing operating methodologies.

Hazardous

01,14,16,17,25,40,42,43,70

Ex d (ia) IIC T4/6

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Email: Info@Badran-co.com
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Bus Communication

Using either an electronic communication board or VCT Dual Module which integrates solid state position sensing, communication electronics, power outputs, auxiliary inputs and wire termination into a single compact package, all mechanical platforms listed can be connected on a bus communication network. Systems can be supplied to operate with the most popular bus protocols providing significant cost savings for installation and maintenance downtime when compared with conventional analogue systems.

Non-hazardous

01,70,92,93,94,95,96,97

Hazardous

70

Ex ia IIC T4/5/6

01,70,92,93,94,95,96,97

Ex d IIB or IIC T4/5/6

	HART	Fieldbus	PROFIBUS	Modbus	DeviceNet	AS-i
Type AQ	● (70)	● (70, 93*, 94*)	● (70)	● (95*)	● (92*)	● (96*, 97*)
Type IQ	● (70)	● (70, 93, 94)	● (70)	● (95*)	● (92)	● (96, 97)
Type SQ	-	-	-	-	-	● (96)
Type SRA	● (70)	-	-	-	-	-
Type SLR	● (70)	● (93*, 94*)	-	● (95*)	● (92*)	● (96*, 97*)
Type SRX	● (70)	-	-	-	-	-
Type VSD	● (01,70)	● (01)	-	● (01)	-	-

●*Bus protocol available. * Non-hazardous.*

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