

J Series LIT-1900190

# Electric Zone Valves – Two- and Three-Way Spring Closed (Normally Closed), Modulating Control

## Description

This electric zone valve with forged brass body offers two- and three-way spring closed (normally closed), modulating control for hot or chilled water applications. For complete details, refer to *J Series Electric Zone Valves Product Bulletin (LIT-977282)*.

### **Features**

- economical control of hot or chilled water (up to 50% glycol) for fan coil, baseboard radiator and VAV reheat applications.
- 0 to 10 VDC proportional and three wire floating control.
- 32 to 200°F (0 to 93°C) fluid temperature rating
- 32 to 125°F (0 to 52°C) ambient temperature rating
- 300 psig Static Pressure Rating
- 20 to 30 VAC 50/60 Hz
- forged brass body



JM Series Three-way Spring Return Modulating Zone Valve

#### **Selection Chart**

	Valve	Size	Cv	Close-	Actu	ıator	
Two-Way - Sweat Connections   JM2211				off <sup>1</sup>	Floating	Proportional	
JM2211         1/2"         1         50 / 50         JM2211T13A000         JM2211P13A000           JM2212         1/2"         2         50 / 20         JM2212T13A000         JM2213P13A000           JM2213         1/2"         4         35 / 20         JM2213T13A000         JM2213P13A000           JM2312         3/4"         2         50 / 20         JM2313T13A000         JM2313P13A000           JM2317         3/4"         7.5         35 / 15         JM2317T13A000         JM2313P13A000           JM2413         1"         4         35 / 20         JM2413T13A000         JM2413P13A000           JM2417         1"         8         35 / 15         JM2417T13A000         JM2417P13A000           JM2517         1-1/4"         8         35 / 15         JM2517T13A000         JM2417P13A000           JM2217         1"         8         35 / 15         JM221T13A000         JM2221P13A000           JM2221         1/2"         1         50 / 50         JM2221T13A000         JM2222P13A000           JM2223         1/2"         2         50 / 20         JM2323T13A000         JM2323P13A000           JM2323         3/4"         4         35 / 20         JM2321T13A000         JM2323P13A000     <					JT13A000	JP13A000	
Marita   M	Two-Way	– Swe	at Co	nnection	ıs		
JM2213	JM2211	1/2"	1	50 / 50	JM2211T13A000	JM2211P13A000	
JM2312   3/4"   2   50 / 20   JM2312T13A000   JM2312P13A000   JM2313   3/4"   4   35 / 20   JM2313T13A000   JM2313P13A000   JM2317   JM2413   1"   4   35 / 20   JM2413T13A000   JM2413P13A000   JM2417   1"   8   35 / 15   JM2417T13A000   JM2417P13A000   JM2517   1-1/4"   8   35 / 15   JM2417T13A000   JM2517P13A000   JM2517   1-1/4"   8   35 / 15   JM2517T13A000   JM2517P13A000   JM2517P13A000   JM2517P13A000   JM2517P13A000   JM2517P13A000   JM2221   1/2"   2   50 / 50   JM2222T13A000   JM2222P13A000   JM2222   1/2"   2   50 / 20   JM2222T13A000   JM2222P13A000   JM2322   3/4"   2   50 / 20   JM2322T13A000   JM2322P13A000   JM2323P13A000   JM2323   3/4"   4   35 / 20   JM2323T13A000   JM2323P13A000   JM2323   3/4"   4   35 / 20   JM2323T13A000   JM2323P13A000   JM2427   1"   8   35 / 15   JM2427T13A000   JM2327P13A000   JM2427   1"   8   35 / 15   JM2427T13A000   JM3212P13A000   JM3211   1/2"   2   50 / 20   JM3212T13A000   JM3212P13A000   JM3212   1/2"   2   50 / 20   JM3212T13A000   JM3212P13A000   JM3312   3/4"   4   35 / 20   JM3213T13A000   JM3212P13A000   JM3313   3/4"   4   35 / 20   JM3313T13A000   JM3312P13A000   JM3313   3/4"   4   35 / 20   JM3313T13A000   JM3313P13A000   JM3313   3/4"   4   35 / 20   JM3313T13A000   JM3313P13A000   JM3413   1"   4   35 / 20   JM3313T13A000   JM3313P13A000   JM3417   1"   8   35 / 15   JM3417T13A000   JM3417P13A000   JM3417   1"   8   35 / 15   JM3417T13A000   JM3417P13A000   JM3212   1/2"   2   50 / 20   JM3312T13A000   JM3417P13A000   JM3212   1/2"   2   50 / 20   JM3312T13A000   JM3417P13A000   JM322   1/2"   2   50 / 20   JM3221T13A000   JM3221P13A000   JM3222   1/2"   2   50 / 20   JM3221T13A000   JM3222P13A000   JM3223   1/2"   4   35 / 20   JM3221T13A000   JM3223P13A000   JM3323   3/4"   4   35 / 20   JM3323T13A000   JM3223P13A000   JM3323   3/4"   4   35 / 20   JM3322T13A000   JM3223P13A000   JM3323P13A000   JM3323P1	JM2212	1/2"	2	50 / 20	JM2212T13A000	JM2212P13A000	
JM2313   3/4"   4   35 / 20   JM2313T13A000   JM2313P13A000   JM2317P13A000   JM2317P13A000   JM2413   1"   4   35 / 20   JM2413T13A000   JM2413P13A000   JM2417   1"   8   35 / 15   JM2417T13A000   JM2417P13A000   JM2517   1-1/4"   8   35 / 15   JM2417T13A000   JM2517P13A000   JM2517   1-1/4"   8   35 / 15   JM2517T13A000   JM2517P13A000   JM2517P13A000   JM2517P13A000   JM2221   1/2"   1   50 / 50   JM2221T13A000   JM2222P13A000   JM2222P13A000   JM2222P13A000   JM2222P13A000   JM2223P13A000   JM2223P13A000   JM2323P13A000   JM3312P13A000   JM3311   1/2"   2   50 / 20   JM3212T13A000   JM3212P13A000   JM3313   3/4"   4   35 / 20   JM3213T13A000   JM3313P13A000   JM3313P13A000   JM3313   3/4"   4   35 / 20   JM3313T13A000   JM3313P13A000   JM3313P13A000   JM3413P13A000   JM3413P13A0000   JM3413P13A000   JM3413P13A000   JM3413P13A000   JM3413P13A000	JM2213	1/2"	4	35 / 20	JM2213T13A000	JM2213P13A000	
JM2317   J/4"   7.5   35 / 15   JM2317T13A000   JM2317P13A000   JM2413P13A000   JM2417P13A010   JM2417   1"   8   35 / 15   JM2417T13A000   JM2417P13A000   JM2517P13A000   JM2221   1/2"   2   50 / 50   JM251713A000   JM2517P13A000   JM2222   1/2"   2   50 / 20   JM251713A000   JM2517P13A000   JM2517	JM2312	3/4"	2	50 / 20	JM2312T13A000	JM2312P13A000	
March   Marc	JM2313	3/4"	4	35 / 20	JM2313T13A000	JM2313P13A000	
MM2417	JM2317	3/4"	7.5	35 / 15	JM2317T13A000	JM2317P13A000	
JM2517	JM2413	1"	4	35 / 20	JM2413T13A000	JM2413P13A000	
Two-Way - NPT Connections   JM2221   1/2"   2   50 / 50   JM2221T13A000   JM2221P13A000   JM2222P13A000   JM2222P13A000   JM2223P13A000   JM2223P13A000   JM2223P13A000   JM2322   3/4"   2   50 / 20   JM2322T13A000   JM2322P13A000   JM2322P13A000   JM2322P13A000   JM2322P13A000   JM2322P13A000   JM2323P13A000   JM2427P13A000   JM2427P13A000   JM2427P13A000   JM2427P13A000   JM3211   1/2"   2   50 / 50   JM3211T13A000   JM3211P13A000   JM3212   1/2"   2   50 / 20   JM3212T13A000   JM3212P13A000   JM3313   1/2"   4   35 / 20   JM3213T13A000   JM3213P13A000   JM3313   3/4"   4   35 / 20   JM3313T13A000   JM3313P13A000   JM3313   3/4"   4   35 / 20   JM3313T13A000   JM3313P13A000   JM3413   1"   4   35 / 20   JM3313T13A000   JM3313P13A000   JM3413   1"   4   35 / 20   JM3413T13A000   JM3413P13A000   JM3417   1"   8   35 / 15   JM3417T13A000   JM3417P13A000   JM3517P13A000   JM3517P13A000   JM3517P13A000   JM3517P13A000   JM3222P13A000   JM3222P13A000   JM3222P13A000   JM3222P13A000   JM3222P13A000   JM3223P13A000   JM3223P13A000   JM3223P13A000   JM3223P13A000   JM3323P13A000   JM3323P13A	JM2417	1"	8	35 / 15	JM2417T13A000	JM2417P13A000	
JM2221         1/2"         1         50 / 50         JM2221T13A000         JM2221P13A000           JM2222         1/2"         2         50 / 20         JM2222T13A000         JM2222P13A000           JM2223         1/2"         4         35 / 20         JM2223T13A000         JM2223P13A000           JM2322         3/4"         2         50 / 20         JM2322T13A000         JM2322P13A000           JM2323         3/4"         4         35 / 20         JM2323T13A000         JM2323P13A000           JM2327         3/4"         7.5         35 / 15         JM2327T13A000         JM2327P13A000           JM2427         1"         8         35 / 15         JM2427T13A000         JM2427P13A000           JM3211         1/2"         1         50 / 50         JM3211T13A000         JM3211P13A000           JM3212         1/2"         2         50 / 20         JM3213T13A000         JM3213P13A000           JM3313         3/4"         2         50 / 20         JM3313T13A000         JM3313P13A000           JM3313         3/4"         4         35 / 20         JM3317T13A000         JM317P13A000           JM3413         1"         4         35 / 20         JM3317T13A000         JM317P13A000 </td <td>JM2517</td> <td>1-1/4"</td> <td>8</td> <td>35 / 15</td> <td>JM2517T13A000</td> <td>JM2517P13A000</td>	JM2517	1-1/4"	8	35 / 15	JM2517T13A000	JM2517P13A000	
JM2222	Two-Way – NPT Connections						
JM2223         1/2"         4         35 / 20         JM2223T13A000         JM2223P13A000           JM2322         3/4"         2         50 / 20         JM2322T13A000         JM2322P13A000           JM2323         3/4"         4         35 / 20         JM2323T13A000         JM2323P13A000           JM2327         3/4"         7.5         35 / 15         JM2327T13A000         JM2327P13A000           JM2427         1"         8         35 / 15         JM2427T13A000         JM2427P13A000           Tree-Way – Sweat Connections           JM3211         1/2"         1         50 / 50         JM3211T13A000         JM3212P13A000           JM3212         1/2"         2         50 / 20         JM3213T13A000         JM3213P13A000           JM3313         3/4"         2         50 / 20         JM3312T13A000         JM3312P13A000           JM3313         3/4"         4         35 / 20         JM3317T13A000         JM3317P13A000           JM3413         1"         4         35 / 20         JM3317T13A000         JM317P13A000           JM3417         1"         8         35 / 15         JM3417T13A000         JM3413P13A000           JM3417         1"         8         35 / 15	JM2221	1/2"	1	50 / 50	JM2221T13A000	JM2221P13A000	
JM2322	JM2222	1/2"	2	50 / 20	JM2222T13A000	JM2222P13A000	
JM2323         3/4"         4         35 / 20         JM2323T13A000         JM2323P13A000           JM2327         3/4"         7.5         35 / 15         JM2327T13A000         JM2327P13A000           JM2427         1"         8         35 / 15         JM2427T13A000         JM2427P13A000           Three-Way – Sweat Connections           JM3211         1/2"         1         50 / 50         JM3211T13A000         JM3211P13A000           JM3212         1/2"         2         50 / 20         JM3212T13A000         JM3212P13A000           JM3313         1/2"         4         35 / 20         JM3312T13A000         JM3312P13A000           JM3313         3/4"         2         50 / 20         JM3313T13A000         JM3313P13A000           JM3317         3/4"         7.5         35 / 15         JM3317T13A000         JM3317P13A000           JM3413         1"         4         35 / 20         JM3317T13A000         JM317P13A000           JM3417         1"         8         35 / 15         JM3417T13A000         JM3413P13A000           JM3517         1-1/4"         8         35 / 15         JM3517T13A000         JM317P13A000           JM3221         1/2"         1         5	JM2223	1/2"	4	35 / 20	JM2223T13A000	JM2223P13A000	
JM2327         3/4"         7.5         35 / 15         JM2327T13A000         JM2327P13A000           JM2427         1"         8         35 / 15         JM2427T13A000         JM2427P13A000           Three-Way - Sweat Connections           JM3211         1/2"         1         50 / 50         JM3211T13A000         JM3211P13A000           JM3212         1/2"         2         50 / 20         JM3212T13A000         JM3212P13A000           JM3313         1/2"         4         35 / 20         JM3213T13A000         JM3312P13A000           JM3313         3/4"         2         50 / 20         JM3313T13A000         JM3313P13A000           JM3317         3/4"         7.5         35 / 15         JM3317T13A000         JM3317P13A000           JM3413         1"         4         35 / 20         JM3317T13A000         JM3317P13A000           JM3417         1"         8         35 / 15         JM3417T13A000         JM3413P13A000           JM3517         1-1/4"         8         35 / 15         JM3517T13A000         JM317P13A000           JM3221         1/2"         1         50 / 50         JM3221T13A000         JM3221P13A000           JM3222         1/2"         2	JM2322	3/4"	2	50 / 20	JM2322T13A000	JM2322P13A000	
M3427	JM2323	3/4"	4	35 / 20	JM2323T13A000	JM2323P13A000	
Three-Way – Sweat Connections           JM3211         1/2"         1         50 / 50         JM3211T13A000         JM3211P13A000           JM3212         1/2"         2         50 / 20         JM3212T13A000         JM3212P13A000           JM3213         1/2"         4         35 / 20         JM3213T13A000         JM3213P13A000           JM3312         3/4"         2         50 / 20         JM3312T13A000         JM3312P13A000           JM3313         3/4"         4         35 / 20         JM3317T13A000         JM3317P13A000           JM3413         1"         4         35 / 20         JM3317T13A000         JM3317P13A000           JM3413         1"         4         35 / 20         JM3417T13A000         JM3413P13A000           JM3417         1"         8         35 / 15         JM3417T13A000         JM3417P13A000           JM3517         1-1/4"         8         35 / 15         JM3517T13A000         JM3517P13A000           Three-Way – NPT Connections, mixing configuration only         JM3221         1/2"         1         50 / 50         JM3221T13A000         JM3221P13A000           JM3222         1/2"         2         50 / 20         JM3222T13A000         JM3223P13A000	JM2327	3/4"	7.5	35 / 15	JM2327T13A000	JM2327P13A000	
JM3211         1/2"         1         50 / 50         JM3211T13A000         JM3211P13A000           JM3212         1/2"         2         50 / 20         JM3212T13A000         JM3212P13A000           JM3313         1/2"         4         35 / 20         JM3213T13A000         JM3213P13A000           JM3313         3/4"         2         50 / 20         JM3312T13A000         JM3312P13A000           JM3317         3/4"         7.5         35 / 15         JM3317T13A000         JM3317P13A000           JM3413         1"         4         35 / 20         JM3417T13A000         JM3413P13A000           JM3417         1"         8         35 / 15         JM3417T13A000         JM3417P13A000           JM3517         1-1/4"         8         35 / 15         JM3517T13A000         JM3517P13A000           JM3221         1/2"         1         50 / 50         JM321T13A000         JM3221P13A000           JM3222         1/2"         2         50 / 20         JM3222T13A000         JM3222P13A000           JM3223         1/2"         4         35 / 20         JM3223T13A000         JM3222P13A000           JM3323         3/4"         2         50 / 20         JM3323T13A000         JM3323P13A000	JM2427	1"	8	35 / 15	JM2427T13A000	JM2427P13A000	
JM3212         1/2"         2         50 / 20         JM3212T13A000         JM3212P13A000           JM3213         1/2"         4         35 / 20         JM3213T13A000         JM3213P13A000           JM3312         3/4"         2         50 / 20         JM3312T13A000         JM3312P13A000           JM3313         3/4"         4         35 / 20         JM3313T13A000         JM3313P13A000           JM3413         1"         4         35 / 20         JM3317T13A000         JM3317P13A000           JM3413         1"         4         35 / 20         JM3413T13A000         JM3413P13A000           JM3417         1"         8         35 / 15         JM3417T13A000         JM3417P13A000           JM3517         1-1/4"         8         35 / 15         JM3517T13A000         JM3517P13A000           Three-Way - NPT Connections, mixing configuration only         JM3221         1/2"         1         50 / 50         JM3222T13A000         JM3222P13A000           JM3222         1/2"         2         50 / 20         JM3223T13A000         JM3223P13A000           JM3323         3/4"         2         50 / 20         JM3323T13A000         JM3323P13A000           JM3323         3/4"         4         35 / 20 </td <td colspan="7">Three-Way – Sweat Connections</td>	Three-Way – Sweat Connections						
JM3213         1/2"         4         35 / 20         JM3213T13A000         JM3213P13A000           JM3312         3/4"         2         50 / 20         JM3312T13A000         JM3312P13A000           JM3313         3/4"         4         35 / 20         JM3313T13A000         JM3313P13A000           JM3317         3/4"         7.5         35 / 15         JM3317T13A000         JM3317P13A000           JM3413         1"         4         35 / 20         JM3413T13A000         JM3413P13A000           JM3417         1"         8         35 / 15         JM3417T13A000         JM3417P13A000           JM3517         1-1/4"         8         35 / 15         JM3517T13A000         JM3517P13A000           Three-Way - NPT Connections, mixing configuration only         JM3221         1/2"         2         50 / 50         JM3221T13A000         JM3222P13A000           JM3222         1/2"         2         50 / 20         JM3223T13A000         JM3223P13A000           JM3322         3/4"         2         50 / 20         JM3322T13A000         JM3323P13A000           JM3323         3/4"         4         35 / 20         JM3323T13A000         JM3323P13A000           JM3327         3/4"         7.5         35	JM3211	1/2"	1	50 / 50	JM3211T13A000	JM3211P13A000	
JM3312         3/4"         2         50 / 20         JM3312T13A000         JM3312P13A000           JM3313         3/4"         4         35 / 20         JM3313T13A000         JM3313P13A000           JM3317         3/4"         7.5         35 / 15         JM3317T13A000         JM3317P13A000           JM3413         1"         4         35 / 20         JM3413T13A000         JM3413P13A000           JM3417         1"         8         35 / 15         JM3417T13A000         JM3417P13A000           JM3517         1-1/4"         8         35 / 15         JM3517T13A000         JM3517P13A000           Three-Way - NPT Connections, mixing configuration only         JM3221         1/2"         1         50 / 50         JM3221T13A000         JM3221P13A000           JM3222         1/2"         2         50 / 20         JM3223T13A000         JM3223P13A000           JM3322         3/4"         2         50 / 20         JM3322T13A000         JM322P13A000           JM3323         3/4"         4         35 / 20         JM3323T13A000         JM3323P13A000           JM3327         3/4"         7.5         35 / 15         JM3327T13A000         JM3327P13A000	JM3212	1/2"	2	50 / 20	JM3212T13A000	JM3212P13A000	
JM3313         3/4"         4         35 / 20         JM3313T13A000         JM3313P13A000           JM3317         3/4"         7.5         35 / 15         JM3317T13A000         JM3317P13A000           JM3413         1"         4         35 / 20         JM3413T13A000         JM3413P13A000           JM3417         1"         8         35 / 15         JM3417T13A000         JM3417P13A000           JM3517         1-1/4"         8         35 / 15         JM3517T13A000         JM3517P13A000           Three-Way - NPT Connections, mixing configuration only           JM3221         1/2"         1         50 / 50         JM3221T13A000         JM3221P13A000           JM3222         1/2"         2         50 / 20         JM3223T13A000         JM3223P13A000           JM3322         3/4"         2         50 / 20         JM3322T13A000         JM322P13A000           JM3323         3/4"         4         35 / 20         JM3323T13A000         JM3323P13A000           JM3327         3/4"         7.5         35 / 15         JM3327T13A000         JM3327P13A000	JM3213	1/2"	4	35 / 20	JM3213T13A000	JM3213P13A000	
JM3317         3/4"         7.5         35 / 15         JM3317T13A000         JM3317P13A000           JM3413         1"         4         35 / 20         JM3413T13A000         JM3413P13A000           JM3417         1"         8         35 / 15         JM3417T13A000         JM3417P13A000           JM3517         1-1/4"         8         35 / 15         JM3517T13A000         JM3517P13A000           Three-Way - NPT Connections, mixing configuration only         JM3221         1/2"         1         50 / 50         JM3221T13A000         JM3221P13A000           JM3222         1/2"         2         50 / 20         JM3222T13A000         JM3222P13A000           JM3223         1/2"         4         35 / 20         JM3322T13A000         JM3322P13A000           JM3323         3/4"         2         50 / 20         JM3323T13A000         JM3323P13A000           JM3327         3/4"         7.5         35 / 15         JM3327T13A000         JM3327P13A000	JM3312	3/4"	2	50 / 20	JM3312T13A000	JM3312P13A000	
JM3413         1"         4         35 / 20         JM3413T13A000         JM3413P13A000           JM3417         1"         8         35 / 15         JM3417T13A000         JM3417P13A000           JM3517         1-1/4"         8         35 / 15         JM3517T13A000         JM3517P13A000           Three-Way - NPT Connections, mixing configuration only           JM3221         1/2"         1         50 / 50         JM3221T13A000         JM3221P13A000           JM3222         1/2"         2         50 / 20         JM3222T13A000         JM3222P13A000           JM3223         1/2"         4         35 / 20         JM3223T13A000         JM3322P13A000           JM3323         3/4"         2         50 / 20         JM3322T13A000         JM3323P13A000           JM3323         3/4"         4         35 / 20         JM3323T13A000         JM3323P13A000           JM3327         3/4"         7.5         35 / 15         JM3327T13A000         JM3327P13A000	JM3313	3/4"	4	35 / 20	JM3313T13A000	JM3313P13A000	
JM3417         1"         8         35 / 15         JM3417T13A000         JM3417P13A000           JM3517         1-1/4"         8         35 / 15         JM3517T13A000         JM3517P13A000           Three-Way - NPT Connections, mixing configuration only           JM3221         1/2"         1         50 / 50         JM3221T13A000         JM3221P13A000           JM3222         1/2"         2         50 / 20         JM3222T13A000         JM3222P13A000           JM3223         1/2"         4         35 / 20         JM3223T13A000         JM3223P13A000           JM3322         3/4"         2         50 / 20         JM3322T13A000         JM3322P13A000           JM3323         3/4"         4         35 / 20         JM3323T13A000         JM3323P13A000           JM3327         3/4"         7.5         35 / 15         JM3327T13A000         JM3327P13A000	JM3317	3/4"	7.5	35 / 15	JM3317T13A000	JM3317P13A000	
JM3517         1-1/4"         8         35 / 15         JM3517T13A000         JM3517P13A000           Three-Way – NPT Connections, mixing configuration only           JM3221         1/2"         1         50 / 50         JM3221T13A000         JM3221P13A000           JM3222         1/2"         2         50 / 20         JM3222T13A000         JM3222P13A000           JM3223         1/2"         4         35 / 20         JM3223T13A000         JM3223P13A000           JM3322         3/4"         2         50 / 20         JM3322T13A000         JM3322P13A000           JM3323         3/4"         4         35 / 20         JM3323T13A000         JM3323P13A000           JM3327         3/4"         7.5         35 / 15         JM3327T13A000         JM3327P13A000	JM3413	1"	4	35 / 20	JM3413T13A000	JM3413P13A000	
Three-Way – NPT Connections, mixing configuration only           JM3221         1/2"         1         50 / 50         JM3221T13A000         JM3221P13A000           JM3222         1/2"         2         50 / 20         JM3222T13A000         JM3222P13A000           JM3223         1/2"         4         35 / 20         JM3223T13A000         JM3223P13A000           JM3322         3/4"         2         50 / 20         JM3322T13A000         JM3322P13A000           JM3323         3/4"         4         35 / 20         JM3323T13A000         JM3323P13A000           JM3327         3/4"         7.5         35 / 15         JM3327T13A000         JM3327P13A000	JM3417	1"	8	35 / 15	JM3417T13A000	JM3417P13A000	
JM3221         1/2"         1         50 / 50         JM3221T13A000         JM3221P13A000           JM3222         1/2"         2         50 / 20         JM3222T13A000         JM3222P13A000           JM3223         1/2"         4         35 / 20         JM3223T13A000         JM3223P13A000           JM3322         3/4"         2         50 / 20         JM3322T13A000         JM3322P13A000           JM3323         3/4"         4         35 / 20         JM3323T13A000         JM3323P13A000           JM3327         3/4"         7.5         35 / 15         JM3327T13A000         JM3327P13A000	JM3517	1-1/4"	8	35 / 15	JM3517T13A000	JM3517P13A000	
JM3222         1/2"         2         50 / 20         JM3222T13A000         JM3222P13A000           JM3223         1/2"         4         35 / 20         JM3223T13A000         JM3223P13A000           JM3322         3/4"         2         50 / 20         JM3322T13A000         JM3322P13A000           JM3323         3/4"         4         35 / 20         JM3323T13A000         JM3323P13A000           JM3327         3/4"         7.5         35 / 15         JM3327T13A000         JM3327P13A000	Three-Way – NPT Connections, mixing configuration only						
JM3223         1/2"         4         35 / 20         JM3223T13A000         JM3223P13A000           JM3322         3/4"         2         50 / 20         JM3322T13A000         JM3322P13A000           JM3323         3/4"         4         35 / 20         JM3323T13A000         JM3323P13A000           JM3327         3/4"         7.5         35 / 15         JM3327T13A000         JM3327P13A000	JM3221	1/2"	1	50 / 50	JM3221T13A000	JM3221P13A000	
JM3322         3/4"         2         50 / 20         JM3322T13A000         JM3322P13A000           JM3323         3/4"         4         35 / 20         JM3323T13A000         JM3323P13A000           JM3327         3/4"         7.5         35 / 15         JM3327T13A000         JM3327P13A000	JM3222	1/2"	2	50 / 20	JM3222T13A000	JM3222P13A000	
JM3323         3/4"         4         35 / 20         JM3323T13A000         JM3323P13A000           JM3327         3/4"         7.5         35 / 15         JM3327T13A000         JM3327P13A000	JM3223	1/2"	4	35 / 20	JM3223T13A000	JM3223P13A000	
JM3327 3/4" 7.5 35 / 15 <b>JM3327T13A000 JM3327P13A000</b>	JM3322	3/4"	2	50 / 20	JM3322T13A000	JM3322P13A000	
	JM3323	3/4"	4	35 / 20	JM3323T13A000	JM3323P13A000	
INADADZ 47 D DE / 45 INC. 407740 4000 INC. 407740 4000	JM3327	3/4"	7.5	35 / 15	JM3327T13A000	JM3327P13A000	
JIVI3427   1"   8     35 / 15   <b>JM3427   13A000   JM3427P13A000</b>	JM3427	1"	8	35 / 15	JM3427T13A000	JM3427P13A000	

<sup>1.</sup> Operating/Power Failure

Note: Actuators and valve bodies can be ordered separately using the actuator and valve code numbers shown. JM Series Modulating Three-Way Electric Zone Valves must be piped in a mixing configuration only.

## **Repair Information**

If the J Series Electric Zone Valve – Two-Way and Three-Way Spring Closed, Modulating Control fails to operate within its specifications, replace the unit. For a replacement valve, contact the nearest Johnson Controls® representative.

## **Technical Specifications**

J Series Electric Zone Valves – Two-Way and Three-Way Spring Closed, Modulating Control					
Service <sup>1</sup>		Hot Water Chill Water, and 50/50 Glycol Solutions for HVAC Systems			
Fluid	Water	32 to 200°F (0 to 93°C)			
Temperature Limits	Steam	Not rated for steam service			
Valve Body P	ressure Rating	300 psig (2,067 kPa)			
Leakage		0.01% of Maximum Flow per ANSI/FCI 70-2 Class IV			
Ambient Ope Limits	rating Temperature	32 to 125°F (0 to 52°C)			
Cycle Time		Full Close to Full Open 150 seconds			
Control Signal	"T" Type Actuator	24 VAC, 60 Hz, Three-Wire Floating Control			
	"P" Type Actuator	0 to 10 VDC (1 to 9 VDC Actual) Factory Setting, 0 to 5 VDC, 5 to 10 VDC jumper selectable			
Control Action	"P" Type Actuator	Factory Setting: Direct Acting Valve opens Port "B" as signal increases. Jumper selectable			
Power Requirements		1.6 VA			
Electrical Connection		Terminal Block			
Materials	Body	Brass			
	Stem	Brass (Hard Chrome Plated)			
	Base Plate and Bearing Plate	Stainless Steel			
	Actuator Housing	High Temperature Plastic			
	Valve Plug	High Temperature Thermoplastic Rubber			
	Stem Seals	Viton™ O-rings			
Refer to VDI 2035 Standard for recommended proper water treatment					

<sup>1.</sup> Refer to VDI 2035 Standard for recommended proper water treatment.