

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



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CONTROL PANELS FOR EXPLOSION PROOF PUMPS SIMPLEX AND DUPLEX WITH INTRINSICALLY SAFE RELAYS

These intrinsically safe control panels are used on pump applications defined as a hazardous duty location. Lift stations in some regions fall under this classification. The intrinsically safe panel, in conjunction with an explosion proof pump, will provide a system that will not allow ignition of the explosive gases. The purpose of the control panel is to cycle a pump automatically. Each panel comes standard with pump run light(s), a high water audible and visual alarm, seal fail indicator(s), and a UL Listing. All panels come standard with a NEMA 4X rating for indoor or outdoor use.

These panels **MUST NOT** be in the space classified as needing explosion proof equipment. Special fittings that prevent the passage of flammable gases or vapors in a Class I area (NEC 501) are required. A qualified electrician must install all electrical systems. National Electrical Code (NEC) Articles 500 through 503 explain in detail the requirements for the installation of wiring or electrical equipment in hazardous locations. These articles along with other applicable regulations, local governing inspection authorities, insurance representatives, and qualified engineering/technical assistance should be your guides to the installation of wiring or electrical equipment in any hazardous or potentially hazardous location.

Control Panel Features:

- Intrinsically safe relays
- NEMA 4X enclosure
- Top mounted alarm light
- Hands-Off-Auto Toggle Switch for each pump
- Alarm horn with silence switch
- Magnetic motor contactor
- Lockable Latch
- Auxiliary Dry Contact/High Water Alarm
- Circuit breaker pump disconnect
- 3 or 4 variable float switch control operation (see FM0526)
- 2 year warranty
- The use of off-the-shelf components provide for relatively easy field maintenance and repair
- Green pump run pilot light for each pump
- Seal fail indicator light(s)
- Thermal cutouts for 3 Phase
- Duplex only - Lead/Lag alternating circuit
- For additional information refer to FM1596 (Simplex), FM0486 (Duplex), or consult the factory representative

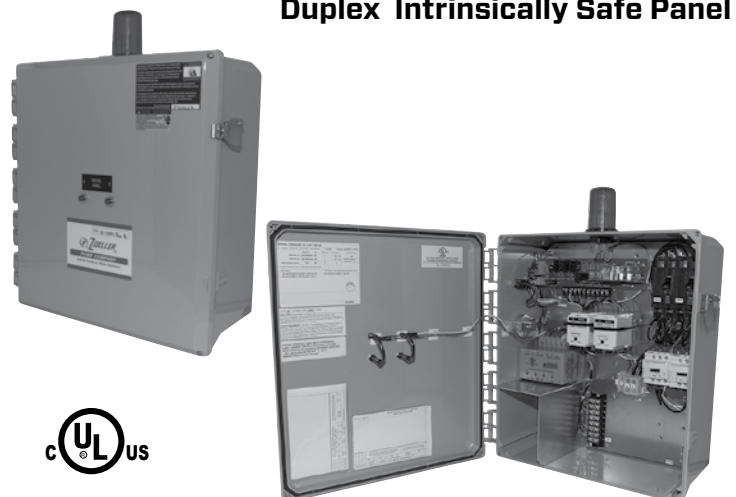
Simplex Intrinsically Safe Panel



Model 10-1242



Duplex Intrinsically Safe Panel



Model 10-1297



SIMPLEX / DUPLEX PANELS RECOMMENDED FOR PUMPS WITH EXPLOSION PROOF MOTORS

PUMP DATA					CONTROL PANEL		PUMP DATA					CONTROL PANEL	
MODEL #	VOLT	PHASE	AMPS	HP	SIMPLEX	DUPLEX	MODEL #	VOLT	PHASE	AMPS	HP	SIMPLEX	DUPLEX
NX161	115	1	15.5	0.5	10-1294	10-1233	EX293	230	1	10.2	1.0	10-1242	10-1297
EX161	230	1	7.5	0.5	10-1242	10-1297	IX293	200-208	1	12.0	1.0	10-1242	10-1297
IX161	200-208	1	8.8	0.5	10-1242	10-1297	JX293	200-208	3	8.2	1.0	10-1222	10-1228
JX161	200-208	3	6.4	0.5	10-1222	10-1228	FX293	230	3	7.6	1.0	10-1222	10-1228
FX161	230	3	5.2	0.5	10-1218	10-1224	GX293	460	3	4.0	1.0	10-1218	10-1224
GX161	460	3	2.9	0.5	10-1219	10-1225	BAX293	575	3	3.3	1.0	10-1250	10-1256
BAX161	575	3	2.4	0.5	10-1248	10-1254	EX294	230	1	13.7	1.5	10-1242	10-1297
NX163	115	1	15.0	0.5	10-1242	10-1297	IX294	200-208	1	16.5	1.5	10-1294	10-1233
EX163	230	1	7.5	0.5	10-1242	10-1297	JX294	200-208	3	10.8	1.5	10-1229	10-1231
IX163	200-208	1	8.5	0.5	10-1242	10-1297	FX294	230	3	9.5	1.5	10-1222	10-1228
JX163	200-208	3	6.0	0.5	10-1218	10-1224	GX294	460	3	4.8	1.5	10-1218	10-1224
FX163	230	3	4.8	0.5	10-1218	10-1224	BAX294	575	3	3.8	1.5	10-1250	10-1256
GX163	460	3	2.9	0.5	10-1219	10-1225	EX295	230	1	16.6	2.0	10-1294	10-1233
BAX163	575	3	2.4	0.5	10-1248	10-1254	IX295	200-208	1	20.5	2.0	10-1295	10-1235
EX165	230	1	10.2	1.0	10-1242	10-1297	JX295	200-208	3	14.3	2.0	10-1230	10-1232
IX165	200-208	1	12.6	1.0	10-1242	10-1297	FX295	230	3	12.2	2.0	10-1229	10-1231
JX165	200-208	3	7.5	1.0	10-1222	10-1228	GX295	460	3	6.1	2.0	10-1222	10-1228
FX165	230	3	7.4	1.0	10-1222	10-1228	BAX295	575	3	4.9	2.0	10-1252	10-1258
GX165	460	3	3.7	1.0	10-1219	10-1225	EX404	230	1	12.9	3.0	10-1242	10-1297
EX185	230	1	9.8	1.0	10-1242	10-1297	IX404	200	1	14.4	3.0	10-1242	10-1297
IX185	200-208	1	11.5	1.0	10-1242	10-1297	JX404	200	3	13.8	3.0	10-1230	10-1232
JX185	200-208	3	7.5	1.0	10-1222	10-1228	FX404	230	3	10.5	3.0	10-1229	10-1231
FX185	230	3	7.4	1.0	10-1222	10-1228	GX404	460	3	5.2	3.0	10-1218	10-1224
GX185	460	3	3.7	1.0	10-1219	10-1225	BAX404	575	3	4.1	3.0	10-1252	10-1258
EX186	230	1	13.7	1.5	10-1242	10-1297	EX405	230	1	19.0	3.0	10-1294	10-1233
FX186	230	3	8.6	1.5	10-1222	10-1228	IX405	200	1	20.2	3.0	10-1295	10-1235
GX186	460	3	4.6	1.5	10-1218	10-1224	JX405	200	3	14.8	3.0	10-1230	10-1232
EX188	230	1	14.0	1.5	10-1242	10-1297	FX405	230	3	12.2	3.0	10-1229	10-1231
IX188	200-208	1	16.8	1.5	10-1294	10-1233	GX405	460	3	6.1	3.0	10-1222	10-1228
JX188	200-208	3	10.3	1.5	10-1229	10-1231	BAX405	575	3	4.8	3.0	10-1251	10-1257
FX188	230	3	8.9	1.5	10-1222	10-1228	EX611	230	1	6.9	1.0	10-1559	10-1587
GX188	460	3	4.6	1.5	10-1218	10-1224	JX611	200	3	4.8	1.0	10-1560	10-1588
BAX188	575	3	3.5	1.5	10-1250	10-1256	FX611	230	3	4.2	1.0	10-1560	10-1588
EX189	230	1	16.6	2.0	10-1294	10-1233	GX611	460	3	2.1	1.0	10-1562	10-1590
IX189	200-208	1	20.5	2.0	10-1295	10-1235	BAX611	575	3	1.7	1.0	10-1563	10-1591
JX189	200-208	3	13.2	2.0	10-1230	10-1232	EX621	230	1	8.9	1.5	10-1564	10-1592
FX189	230	3	11.2	2.0	10-1229	10-1231	JX621	200	3	5.9	1.5	10-1560	10-1588
GX189	460	3	6.0	2.0	10-1218	10-1224	FX621	230	3	5.1	1.5	10-1560	10-1588
BAX189	575	3	5.8	2.0	10-1252	10-1258	GX621	460	3	2.6	1.5	10-1561	10-1589
EX191	230	1	14.5	2.0	10-1242	10-1297	BAX621	575	3	2.0	1.5	10-1563	10-1591
NX282	115	1	10.3	0.5	10-1242	10-1297	EX631	230	1	14.5	2.0	10-1573	10-1601
EX282	230	1	5.0	0.5	10-1241	10-1296	JX631	200	3	7.8	2.0	10-1565	10-1593
IX282	200-208	1	6.1	0.5	10-1241	10-1296	FX631	230	3	6.8	2.0	10-1565	10-1593
JX282	200-208	3	3.6	0.5	10-1219	10-1225	GX631	460	3	3.4	2.0	10-1561	10-1589
FX282	230	3	3.0	0.5	10-1219	10-1225	BAX631	575	3	2.7	2.0	10-1566	10-1594
GX282	460	3	1.7	0.5	10-1562	10-1590	EX641	230	1	17.0	3.0	10-1567	10-1595
BAX282	575	3	1.4	0.5	10-1247	10-1253	JX641	200	3	11.0	3.0	10-1568	10-1596
EX284	230	1	8.9	1.0	10-1242	10-1297	FX641	230	3	9.6	3.0	10-1568	10-1596
IX284	200-208	1	9.3	1.0	10-1242	10-1297	GX641	460	3	4.8	3.0	10-1560	10-1588
JX284	200-208	3	5.5	1.0	10-1218	10-1224	BAX641	575	3	3.9	3.0	10-1566	10-1594
FX284	230	3	5.0	1.0	10-1218	10-1224	EX651	230	1	28.0	5.0	10-1569	10-1597
GX284	460	3	2.6	1.0	10-1219	10-1225	JX651	200	3	17.5	5.0	10-1570	10-1598
BAX284	575	3	2.2	1.0	10-1248	10-1254	FX651	230	3	15.2	5.0	10-1571	10-1599
NX292	115	1	15.0	0.5	10-1242	10-1297	GX651	460	3	7.6	5.0	10-1565	10-1593
EX292	230	1	7.5	0.5	10-1242	10-1297	BAX651	575	3	6.1	5.0	10-1572	10-1600
IX292	200	1	8.8	0.5	10-1242	10-1297	JX661	200	3	25.3	7.5	10-1577	10-1605
JX292	200	3	6.4	0.5	10-1222	10-1228	FX661	230	3	22.0	7.5	10-1575	10-1603
FX292	230	3	5.2	0.5	10-1218	10-1224	GX661	460	3	11.0	7.5	10-1568	10-1596
GX292	460	3	2.9	0.5	10-1219	10-1225	BAX661	575	3	9.0	7.5	10-1576	10-1604
BAX292	575	3	2.4	0.5	10-1248	10-1254							

Standard Enclosure Dimensions

Panel	Phase	Dimensions H x W x D (in)
Simplex	1	16 x 14 x 6
Duplex	1	16 x 14 x 6
Simplex	3	16 x 14 x 6
Duplex	3	16 x 14 x 6