



Delta Process Equipment, Inc.

SIMPLEX PUMP
CONTROL PANEL

VOLTAGE	120/240V	(480V, 277/480V, 240V, 120/240V, 208V, 120/208V)
PHASE/HZ	1/60	
NO. MOTORS	1	
HP	2	
FLA	15	
TYPE OF PUMP	Submersible	(Self-Priming, Submersible)
MANUFACTURER	Barnes	
CATALOG NUMBER	SGVF(H)2022L	
CONTROL VOLTAGE	120V	(120V, Other)
ENCLOSURE	NEMA 4X	(NEMA 1, NEMA 3R, NEMA 4, NEMA 4X)
ENCLOSURE MATERIAL	Fiberglass	(Painted Steel, Stainless Steel, Fiberglass)
CONTROL SENSOR	Floats	(Floats, Bubbler, Other)
CAPACITORS	Yes	(Yes, No)
CAPACITOR WIRING FIGURE	N/A	
THERM. & SEAL FAIL WIRING FIGURE		

OPTIONS:

SEAL FAIL LIGHTS		(Submersible Only)
SEAL FAIL RELAYS		(Submersible Only)
SEAL FAIL PUMP SHUTDOWN		(Submersible Only)
HT PUMP SHUTDOWN	INTERNAL	(Self-Primer, Submersible)
ALARM HORN		
ALARM LIGHT	X	
LIGHT PANEL MTD	X	
LIGHT REMOTE MTD		
LIGHT FLASHER		
LIGHTNING ARRESTER		
ELAPSED TIME METER		
PHASE MONITOR		
NEMA RATED STARTERS		
GROUND FAULT RECT.		
GREEN RUN LIGHTS VS. RED		
POLE, BOX, SEAL		
INTRINSICALLY SAFE RELAYS		
HIGH TEMP. LOCKOUT, MANUAL RESET		
ECONOMY VERSION		

SOLD TO: Delta Process , Mobile, AL
TAG : West Jackson

SHIP TO: Delta Process
Mobile, AL

Drawing Title	PANEL DESCRIPTION	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE	BY
		S/N	Sales Engineer	Application Engineer	DRAWN	BY	R.C.	C. RACHAL	APPROVED
DATE 2/02/05	Project Title SIMPLEX PUMP CONTROL PANEL								



Delta Process Equipment, Inc.

PURCHASE ORDER NUMBER

DRAWING NUMBER

CP-1991

SHEET NUMBER

H3

N2

H1

H2

120VAC
SOURCE 2120/240VAC
SOURCE 1

N1

G

G

CB2
15A
1PCB1
30A
2PSPRING RETURN
FROM HANDFU1
2A/5X20FU2
2A/5X20

C1

T1

C1

T2

BK

143 μf
SCRD
RD45 μf
BL
WT

C

5

2

1

OR

H

1

OFF

2

HAND

3

AUTO

4

C

FS2

START

5

1

FS1

STOP

6

C

2

C

7

R

BUZZ

8

HIGH LEVEL

9

FS3

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

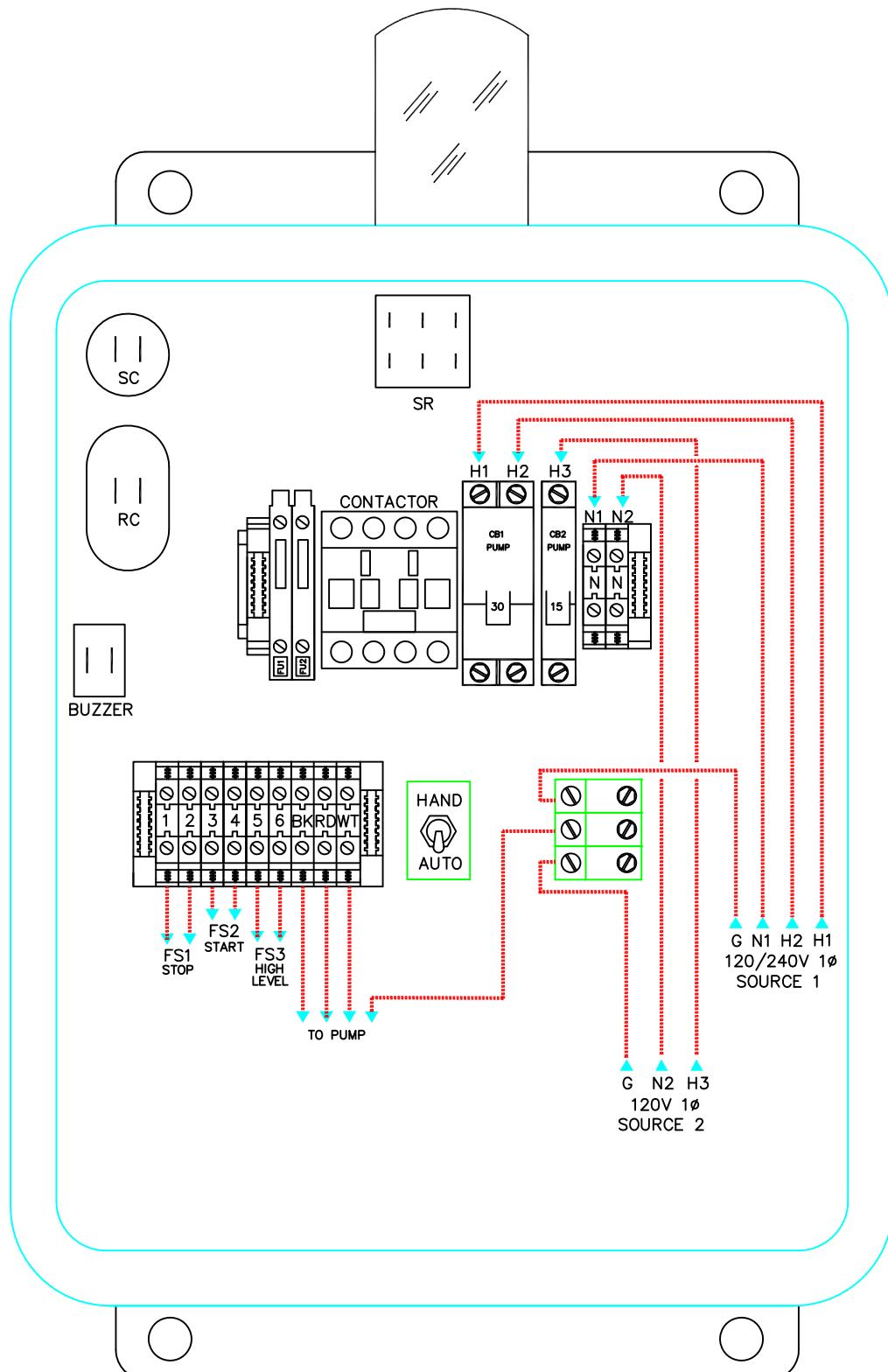
294

295

296

297

298



FS1 – STOP FLOAT SWITCH
 FS2 – START FLOAT SWITCH
 FS3 – HIGH LEVEL FLOAT SWITCH

	Drawing Title						
	EXTERNAL CONNECTIONS						
3/23/04 2/02/05	REFERENCE DRAWING		NO.	REVISION-LOCATION		ECN	DATE BY
	S/N	Sales Engineer C.C.	Application Engineer R.C.	DRAWN BY	C. RACHAL	APPROVED BY	DATE
	Project Title		PURCHASE ORDER NUMBER				
	SIMPLEX PUMP CONTROL PANEL		DRAWING NUMBER CP-1991				
	Delta Process Equipment, Inc.		SHEET NUMBER 3				

BILL OF MATERIALS

ITEM	QTY	MANUFACTURER	PART NO.	DESCRIPTION
1	1	VYNCKIER	VJ1210HWPL	ENCLOSURE
1a	1	VYNCKIER	MP1210A	BACKPLATE
2	1	ABB	A16-30-10-84	CONTACTOR
3	1	SQUARE D	QUO230	CB1
4	1	INGRAM	MX-15	ALARM LIGHT
5	1	EZ SWITCH	STOCK	TOGGLE SWITCH
6	1	GE	6X559	START RELAY
7	1	MALORY	4X658	START CAPACITOR (145-174 <i>μf</i>)
8	1	GE	5X434	RUN CAPACITOR (45 <i>μf</i>)
9	1	SQUARE D	QUO115	CB2
10				

	Drawing Title						
	BILL OF MATERIALS						
			REFERENCE DRAWING	NO.	REVISION-LOCATION	ECN	DATE BY
DATE 2/02/05	S/N	Sales Engineer	Application Engineer	DRAWN	BY C. RACHAL	APPROVED	BY DATE
	C.C.		R.C.				
	Project Title		D Delta Process Equipment, Inc.				PURCHASE ORDER NUMBER
	SIMPLEX PUMP CONTROL PANEL						DRAWING NUMBER CP-1991
							SHEET NUMBER 4