FBD - IO Extended I/O Addressing

Input addressing

Divided into the following two situations:

1. Common I/O expansion, such as PR-E-16DC-DA-R. The new address segment can also be used, but the CPU must meet the firmware version requirements. See the text below.

2. Pure input expansion, such as PR-E-DC-16IN. The PR12N,18N,26N PLCs with firmware version number >=V1.06, the version of PR-14,18 >=0.34 , the version of PR-24 >=0.26 supports these newly added addresses.

	Input	FBD	MODBUS Address Modbus code: 02
EXT.1	8DI	I1 – I8	12 – 19(Use with PR14,18) 16--23(Use with PR24,12N,18N,26N) Or 1312 – 1319 (Note the CPU firmware version, the same as below.)
	16DI	I1 – I8 I9 -- IG	1312 - 1319 or 12-19/16–23 1320 - 1327
EXT.2	8DI	I1 – I8	20 – 27(Use with PR14,18) 24--31(Use with PR24,12N,18N,26N) Or 1328 - 1335
	16DI	I1 – I8 I9 -- IG	1328 - 1335 or 20-27/24-31 1336 - 1343
EXT.3	8DI	I1 – I8	28 – 35(Use with PR14,18) 32 -- 39 (Use with PR24,12N,18N,26N)

			Or 1344 - 1351
	16DI	I1 – I8 I9 -- IG	1344 - 1351 or 28-35/32-39 1352 - 1359
EXT.4	8DI	I1 – I8	36 – 43(Use with PR14,18) 40 -- 47 (Use with PR24,12N,18N,26N) Or 1360 -1367
	16DI	I1 – I8 I9 -- IG	1360 -1367 or 36-43/40-47 1368 - 1375
EXT.5	8DI	I1 – I8	44 - 51(Use with PR14,18) 48 -- 55 (Use with PR24,12N,18N,26N) Or 1376 - 1383
	16DI	I1 – I8 I9 -- IG	1376 - 1383 or 44-51/48-55 1384 - 1391
EXT.6	8DI	I1 – I8	52 - 59(Use with PR14,18) 56 -- 63(Use with PR24,12N,18N,26N) Or 1392 - 1399
	16DI	I1 – I8 I9 -- IG	1392 - 1399 or 52-59/56-63 1400 - 1407
EXT.7	8DI	I1 – I8	60 - 67(Use with PR14,18) 64 -- 71(Use with PR24,12N,18N,26N) Or 1408 - 1415
	16DI	I1 – I8 I9 -- IG	1408 - 1415 or 60-67/64-71 1416 - 1423
EXT.8	8DI	I1 – I8	68 - 75(Use with PR14,18)

			72 -- 79(Use with PR24,12N,18N,26N) Or 1424 - 1431
	16DI	I1 – I8 I9 -- IG	1424 - 1431 or 68-75/72-79 1432 - 1439
EXT.9	8DI	I1 – I8	76 - 83(Use with PR14,18) 80 -- 87(Use with PR24,12N,18N,26N) Or 1440 - 1447
	16DI	I1 – I8 I9 -- IG	1440 - 1447 or 76-83/80-87 1448 - 1455
EXT.10	8DI	I1 – I8	84 - 91(Use with PR14,18) 88 -- 95(Use with PR24,12N,18N,26N) Or 1456 - 1463
	16DI	I1 – I8 I9 -- IG	1456 - 1463 or 84- 91/88-95 1464 - 1471
EXT.11	8DI	I1 – I8	92 - 99(Use with PR14,18) 96 -- 103(Use with PR24,12N,18N,26N) Or 1472 - 1479
	16DI	I1 – I8 I9 -- IG	1472 - 1479 or 92-99/96-103 1480 - 1487
EXT.12	8DI	I1 – I8	100 - 107(Use with PR14,18) 104 -- 111(Use with PR24,12N,18N,26N) Or 1488 - 1495
	16DI	I1 – I8 I9 -- IG	1488 - 1495 or 100-107/104-111 1496 - 1503

EXT.13	8DI	I1 – I8	108 - 115(Use with PR14,18) 112 -- 119(Use with PR24,12N,18N,26N) Or 1504 - 1511
	16DI	I1 – I8 I9 -- IG	1504 - 1511 or 108-115/112-119 1512 - 1519
EXT.14	8DI	I1 – I8	116 - 123(Use with PR14,18) 120 -- 127(Use with PR24,12N,18N,26N) Or 1520 - 1527
	16DI	I1 – I8 I9 -- IG	1520 - 1527 or 116-123/120-127 1528 - 1535
EXT.15	8DI	I1 – I8	124 - 131(Use with PR14,18) 128 -- 135(Use with PR24,12N,18N,26N) Or 1536 - 1543
	16DI	I1 – I8 I9 -- IG	1536 - 1543 or 124-131/128-135 1544 - 1551
EXT.16	8DI	I1 – I8	132 - 139(Use with PR14,18) 136 -- 143(Use with PR24,12N,18N,26N) Or 1552 - 1559
	16DI	I1 – I8 I9 -- IG	1552 - 1559 or 132-139/136-143 1560 - 1567

Output addressing

Divided into the following two situations:

1. Common I/O expansion, such as PR-E-16DC-DA-R. The new address segment can also be used, but the CPU must meet the firmware version requirements. See the text below.

2. Pure output expansion, such as PR-E-DC-16DO. The PR12N,18N,26N PLCs with firmware version number >=V1.06, the version of PR-14,18 >=0.34, the version of PR-24 >=0.26 supports these newly added addresses.

	Output	FBD	MODBUS Address Modbus code: 01/05(15)
EXT.1	8DO	Q1 -- Q8	8 – 15(Use with PR14,18,12N,18N) 10 - 17(Use with PR24,26N) Or 4128 – 4135 (Note the CPU firmware version, the same as below.)
	16DO	Q1 -- Q8 Q9 -- QG	4128 – 4135 or 8-15/10-17 4136 - 4143
EXT.2	8DO	Q1 -- Q8	16 – 23(Use with PR14,18,12N,18N) 18 - 25(Use with PR24,26N) Or 4144 – 4151
	16DO	Q1 -- Q8 Q9 -- QG	4144 – 4151 or 16-23/18-25 4152 - 4159
EXT.3	8DO	Q1 -- Q8	24 – 31(Use with PR14,18,12N,18N) 26 - 33(Use with PR24,26N) Or 4160 – 4167
	16DO	Q1 -- Q8	4160 – 4167 or 24-31/26-33

		Q9 -- QG	4168 - 4175
EXT.4	8DO	Q1 -- Q8	32 – 39(Use with PR14,18,12N,18N) 34 - 41(Use with PR24,26N) Or 4176 – 4183
	16DO	Q1 -- Q8 Q9 -- QG	4176 – 4183 or 32-39/34-41 4184 - 4191
EXT.5	8DO	Q1 -- Q8	40 – 47(Use with PR14,18,12N,18N) 42 - 49(Use with PR24,26N) Or 4192 – 4199
	16DO	Q1 -- Q8 Q9 -- QG	4192 – 4199 or 40-47/42-49 4200 - 4207
EXT.6	8DO	Q1 -- Q8	48 – 55(Use with PR14,18,12N,18N) 50 - 57(Use with PR24,26N) Or 4208 – 4215
	16DO	Q1 -- Q8 Q9 -- QG	4208 – 4215 or 48-55/50-57 4216 - 4223
EXT.7	8DO	Q1 -- Q8	56 – 63(Use with PR14,18,12N,18N) 58 - 65(Use with PR24,26N) Or 4224 – 4231
	16DO	Q1 -- Q8 Q9 -- QG	4224 – 4231 or 56-63/58-65 4232 - 4239
EXT.8	8DO	Q1 -- Q8	64 – 71(Use with PR14,18,12N,18N) 66 - 73(Use with PR24,26N) Or 4240 – 4247

	16DO	Q1 -- Q8 Q9 -- QG	4240 – 4247 or 64-71/66-73 4248 - 4255
EXT.9	8DO	Q1 -- Q8	72 – 79(Use with PR14,18,12N,18N) 74 - 81(Use with PR24,26N) Or 4256 – 4263
	16DO	Q1 -- Q8 Q9 -- QG	4256 – 4263 or 72-79/74-81 4264 - 4271
EXT.10	8DO	Q1 -- Q8	80 – 87(Use with PR14,18,12N,18N) 82 - 89(Use with PR24,26N) Or 4272 – 4279
	16DO	Q1 -- Q8 Q9 -- QG	4272 – 4279 or 80-87/82-89 4280 - 4287
EXT.11	8DO	Q1 -- Q8	88 – 95(Use with PR14,18,12N,18N) 90 - 97(Use with PR24,26N) Or 4288 – 4295
	16DO	Q1 -- Q8 Q9 -- QG	4288 – 4295 or 88-95/90-97 4296 - 4303
EXT.12	8DO	Q1 -- Q8	96 – 103(Use with PR14,18,12N,18N) 98 - 105(Use with PR24,26N) Or 4304 – 4311
	16DO	Q1 -- Q8 Q9 -- QG	4304 – 4311 or 96-103/98-105 4312 - 4319
EXT.13	8DO	Q1 -- Q8	104 – 111(Use with PR14,18,12N,18N)

			106 - 113(Use with PR24,26N) Or 4320 – 4327
	16DO	Q1 -- Q8 Q9 -- QG	4320 – 4327 or 104-111/106-113 4328 - 4335
EXT.14	8DO	Q1 -- Q8	112 – 119(Use with PR14,18,12N,18N) 114 - 121(Use with PR24,26N) Or 4336 – 4343
	16DO	Q1 -- Q8 Q9 -- QG	4336 – 4343 or 112-119/114-121 4344 - 4351
EXT.15	8DO	Q1 -- Q8	120 – 127(Use with PR14,18,12N,18N) 122 - 129(Use with PR24,26N) Or 4352 – 4359
	16DO	Q1 -- Q8 Q9 -- QG	4352 – 4359 or 120-127/122-129 4360 - 4367
EXT.16	8DO	Q1 -- Q8	128 – 135(Use with PR14,18,12N,18N) 130 - 137(Use with PR24,26N) Or 4368 – 4375
	16DO	Q1 -- Q8 Q9 -- QG	4368 – 4375 or 128-135/130-137 4376 - 4383