

I/O Point Bit Map

These tables provide a listing of the individual Input points associated with each register location for the DL330, DL330P, and DL340 CPUs.

MSB		I/O References						LSB	Register Number
007	006	005	004	003	002	001	000		R0
017	016	015	014	013	012	011	010		R1
027	026	025	024	023	022	021	020		R2
037	036	035	034	033	032	031	030		R3
047	046	045	044	043	042	041	040		R4
057	056	055	054	053	052	051	050		R5
067	066	065	064	063	062	061	060		R6
077	076	075	074	073	072	071	070		R7
107	106	105	104	103	102	101	100		R10
117	116	115	114	113	112	111	110		R11
127	126	125	124	123	122	121	120		R12
137	136	135	134	133	132	131	130		R13
147	146	145	144	143	142	141	140		R14
157	156	155	154	153	152	151	150		R15
167	166	165	164	163	162	161	160		n/a
177	176	175	174	173	172	171	170		n/a
707	706	705	704	703	702	701	700		R70
717	716	715	714	713	712	711	710		R71
727	726	725	724	723	722	721	720		R72
737	736	735	734	733	732	731	730		R73
747	746	745	744	743	742	741	740		R74
757	756	755	754	753	752	751	750		R75
767	766	765	764	763	762	761	760		R76

NOTE: 160 – 167 can be used as I/O in a DL330 or DL330P CPU under certain conditions. 160 – 177 can be used as I/O in a DL340 CPU under certain conditions. You should consult Chapter 4 to determine which configurations allow the use of these points.

These points may be used as control relays. You cannot use them as both control relays and as I/O points. Also, if you use these points as I/O, you cannot access these I/O points as a Data Register reference using the DSTR5 (F55) and DOUT5 (F65) functions.

Control Relay Bit Map

The following tables provide a listing of the individual control relays associated with each register location for the DL305 CPUs.

NOTE: If a 16pt module is used in Slot 6 for the DL330 or DL330P CPU, 160 through 167 will not be available for control relay assignments. If a 16pt module is used in Slot 6 and/or Slot 7 for a DL340 CPU, 160–167 and/or 170–177 are not available for control relay assignments. You cannot use these points as both control relays and as I/O points. If you use these points as I/O points, you still enter them as C160–C177 in *DirectSOFT*.

Also, if you use these points as I/O, you cannot access these I/O points as a Data Register reference using the DSTR5 (F55) and DOUT5 (F65) functions.

MSB		DL330 Control Relay References						LSB	Register Number
167	166	165	164	163	162	161	160		R16
177	176	175	174	173	172	171	170		R17
207	206	205	204	203	202	201	200		R20
217	216	215	214	213	212	211	210		R21
227	226	225	224	223	222	221	220		R22
237	236	235	234	233	232	231	230		R23
247	246	245	244	243	242	241	240		R24
257	256	255	254	253	252	251	250		R25
267	266	265	264	263	262	261	260		R26
277	276	275	274	273	272	271	270		R27
307	306	305	304	303	302	301	300		R30
317	316	315	314	313	312	311	310		R31
327	326	325	324	323	322	321	320		R32
337	336	335	334	333	332	331	330		R33
347	346	345	344	343	342	341	340		R34
357	356	355	354	353	352	351	350		R35
367	366	365	364	363	362	361	360		R36
				373	372	371	370		R37

* Control relays 340 – 373 can be made retentive by setting a CPU dipswitch. See Chapter 3 for details on setting CPU dipswitches.