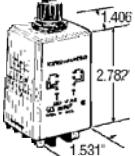


Time Delay and Impulse Relays

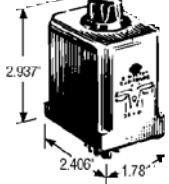
CUB-51 Time-Delay Relay



4 Knob-adjustable delay-on-operate time delay relays. DPDT contacts 10 A at 28 VDC resis., or 120 V, 60 Hz AC, 80% power factor. **Tolerance:** Adjust. -0, +20% of max. specified at high end; min. specified or less at low end. **Release:** 150 msec. **Recycle:** 150 msec. **Transient Protection:** Yes. Polarity protected. Operate room temperature. Timing intervals adjust over timing ranges 1 to 120 secs. 1.53 x 1.406 x 2.78" (3.87 x 3.57 x 7.07 mm) (including knob). 120 VAC. 3½ oz.

Stock No.	Mfr.'s Type	EACH		
		1-24	25-49	50-99
886-0132	CUB-51-70120	75.14	71.17	66.42

CB Series Relays



CB Series relays are economy, octal-type plug-in models with CMOS integrated circuits. Available in delay-on-operate, delay-on-release or interval on timing modes, all units are knob-adjustable. Molded enclosure houses the timing circuit and an internal relay. All models are DPDT, except type **CB-1022B78** which is SPDT. Contacts rated 10 amps at 240 VAC, 6Hz. Power requirements typically less than 3 VA for AC types; 3 watts for DC types. **Operating Temperature Range:** -10°C to +55°C. Polarity protection. UL recognized, CSA certified.

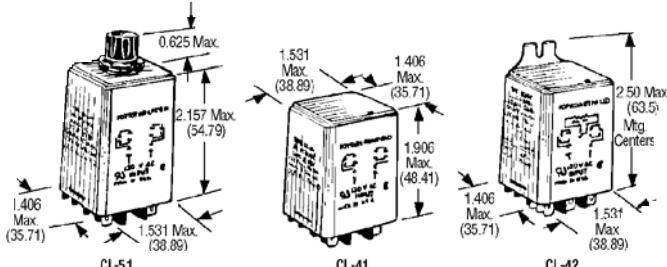
Delay-On-Operate Relays

Stock No.	Mfr.'s Type	Voltage	Delay Seconds	Pins	EACH		
					1-24	25-49	50-99
886-0107	CB-1042-B-30	24 AC	1.8-180	8	68.46	64.84	60.52
886-0108	CB-1001-B-70	120 AC	0.1-1	8	68.46	64.84	60.52
886-0109	CB-1002-B-70	120 AC	0.1-5	8	65.20	61.75	57.64
886-0110	CB-1003-B-70	120 AC	0.1-10	8	68.46	64.84	60.52
886-0005	CB-1004-B-70	120 AC	0.6-60	8	60.18	57.00	53.20
886-0111	CB-1005-B-70	120 AC	1.8-180	8	68.46	64.84	60.52
886-0112	CB-1006-B-70	120 AC	1.0-10	8	65.20	61.75	57.64
886-0113	CB-1007-B-70	120 AC	10.0-100	8	65.20	61.75	57.64
886-0104	CB-1047-D-20	12 DC	0.1-10	8	65.20	63.34	59.12
886-0115	CB-1028-D-30	24 DC	0.1-10	8	65.20	61.75	57.64

Delay-On-Release Relays

Stock No.	Mfr.'s Type	Voltage	Delay Seconds	Pins	EACH		
					1-24	25-49	50-99
886-0119	CB-1046-B-38	24 AC	1.8-180	11	65.20	61.75	57.64
886-0126	CB-1021-B-78	120 AC	0.1-10	11	68.46	64.84	60.52
886-0121	CB-1022-B-78	120 AC	0.1-10	8	68.46	64.84	60.52
886-0122	CB-1023-B-78	120 AC	0.6-60	11	65.20	61.75	57.64
886-0123	CB-1024-B-78	120 AC	1.8-180	11	68.46	64.84	60.52
886-0124	CB-1038-D-38	24 DC	0.1-10	11	65.20	61.75	57.64
886-0125	CB-1039-D-38	24 DC	1.8-180	11	65.20	61.75	57.64

CL Series Time Delay Relays



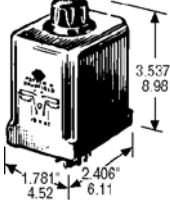
Delay on operate. Similar to the CU Series except they don't have timing cycle interrupt transfer and will time to 0.1 second. DPDT rated at 10 amps. CL relays are enclosed in yellow polycarbonate dust covers. Plug-in/quick connect terminals. Uses KU Series sockets. Available in fixed, resistor adjustable and knob adjustable. Weight: Approx. 3.5 oz. External resistor not included.

Stock No.	Mfr.'s Type	Time Delay (Sec.)	Input Voltage	EACH		
				1-24	25-49	50-99
886-0021	CLB-51-70010†	0.1-10	120 VAC	83.69	79.00	73.35
886-0022	CLB-51-70030†	0.3-30	120 VAC	83.90	79.00	73.35
886-0023	CLB-51-70120†	1.2-120	120 VAC	79.90	75.23	69.86
886-0024	CLF-41-70010	0.1-10	120 VAC	75.33	70.93	65.86
886-0026	CLF-42-70010*	0.1-10	120 VAC	75.33	70.93	65.86

*External 1/4 watt minimum. †Knob adjustable.

Series CH and CD Time-Delay Devices and Relays

Solid-state devices, reset within milli-seconds. Adjustable over entire time range. Plastic enclosures. **Series CH:** Temperature: -10°C to +55°C. Tolerance: -0, +20% of max. specified @ high end; min. specified or less @ low end. **Reset:** 125 msec. **Repeatability:** ±2%. **Series CD:** Temperature: -40°C to +55°C. Tolerance: ±5%. **Reset:** 60 msec. **Repeatability:** ±1%. CHB/CD83 time delays have internal DPDT 10 amp relay. CHB38-70011 and CHB38-70013 provide delay on release, others delay on operate. **Weight:** CD38 — 9 oz. (255 gm); CH38 — 6 oz. (168 gm).



Delay On Operate (Use 8-Pin Octal Sockets)

Stock No.	Mfr.'s Type	Input Volts	Delay Sec.	EACH		
				1-24	25-49	50-99
886-0090	CHB-38-70001	120 AC	1.0-10	78.37	74.23	69.28
886-0091	CHB-38-70003	120 AC	1.0-180	90.05	79.60	
886-0085	CHD-38-30001	24 DC	1.0-10	90.05	85.29	79.60
886-0086	CHD-38-30003	24 DC	1.0-180	94.55	89.56	83.59
886-0053	CDB-38-70003	120 AC	0.1-10	150.83	142.86	133.33
886-0054	CDB-38-70004	120 AC	0.6-60	143.45	136.05	126.98
886-0055	CDB-38-70005	120 AC	1.8-180	143.65	136.05	126.98

Delay On Release (Use 11-Pin Sockets)

886-0082	CHB-38-70011	120 AC	1.0-10	94.55	89.56	83.59
886-0083	CHB-38-70013	120 AC	1.0-180	82.66	78.29	73.07

886-0082	CHB-38-70011	120 AC	1.0-10	94.55	89.56	83.59
886-0083	CHB-38-70013	120 AC	1.0-180	82.66	78.29	73.07

886-0082	CHB-38-70011	120 AC	1.0-10	94.55	89.56	83.59
886-0083	CHB-38-70013	120 AC	1.0-180	82.66	78.29	73.07

886-0082	CHB-38-70011	120 AC	1.0-10	94.55