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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL DRAWN	07AUG2019	RV	DH

TR14 * * * *

NOTES:

1. FOR TIMING MODULE DATA SEE DWG. 34100-00.
2. FOR SCHEMATIC DIAGRAM SEE DWG. 34180-00.
3. FOR DIELECTRIC TEST OF COILS SEE TP-GR-02.

CODE	OPERATING VOLTAGE
B	12 VDC
D	125 VDC
I	120 V, 50/60 Hz
E	110 VDC

CODE	TIMING ADJ.
1	FIXED
3	INTERNAL POT.

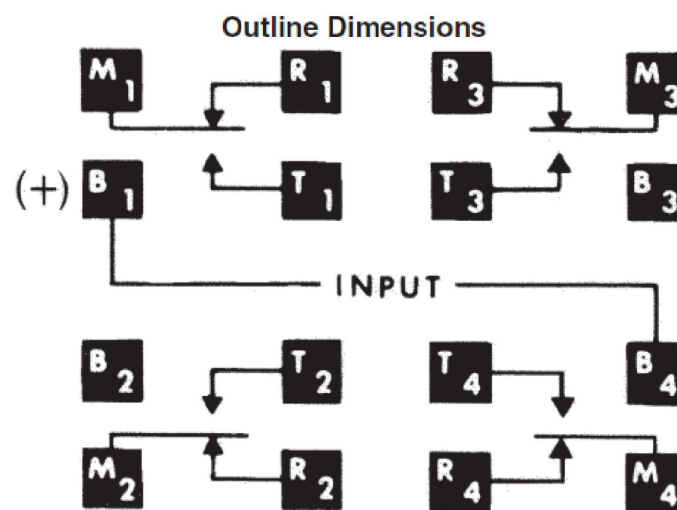
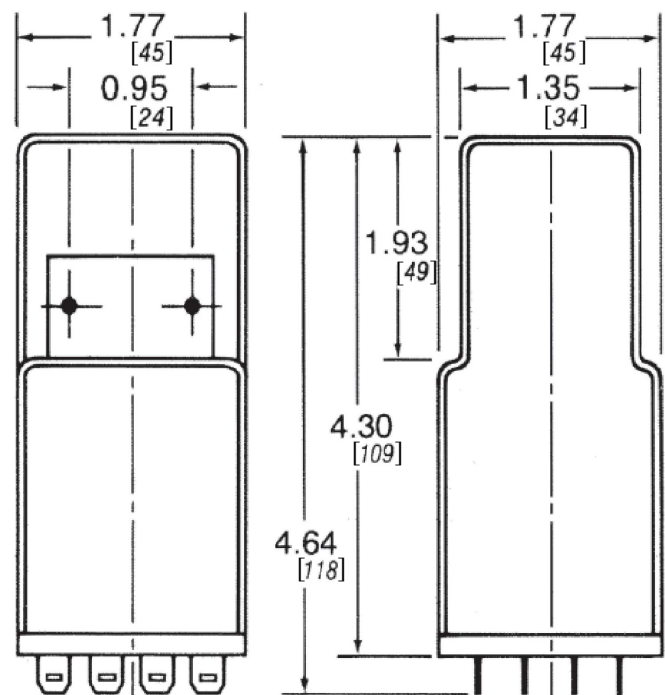
CODE	TIME RANGE
A	.15 - 3 SEC.
B	.55 - 15 SEC.
C	1 - 30 SEC.
D	2 - 60 SEC.
E	4 - 120 SEC.
G	10 - 300 SEC.
I	2 - 60 MIN.
N	1 -30 MIN.

CODE	OPTION
N	BLOWOUT DEVICE

CODE	DESCRIPTION	PART NO.
E1	110 VDC, FIXED	34101-01
B1	24 VDC, FIXED	34101-02
D1	125 VDC, FIXED	34101-03
I1	120 V, 50/60 Hz. FIXED	34101-04
E3	110 VDC, INT. POT. ADJ.	34101-09
B3	24 VDC, INT. POT. ADJ.	34101-10
D3	125 VDC, INT. POT. ADJ.	34101-11
I3	120 V, 50/60 INT. POT. ADJ.	34101-12
E1N	110 VDC, FIXED W/BLOWOUT	34101-13
B1N	24 VDC, FIXED W/BLOWOUT	34101-14
D1N	125 VDC, FIXED W/BLOWOUT	34101-15
I1N	120 V, 50/60 Hz. FIXED W/BLOWOUT	34101-16
E3N	110 VDC, INT., W/BLOWOUT	34101-17
B3N	24 VDC, INT., W/BLOWOUT	34101-18
D3N	125 VDC, INT., W/BLOWOUT	34101-19
I3N	120 V, 50/60 Hz. INT., W/BLOWOUT	34101-20

TIMING MODULE ASSEMBLY			
CODE	PART NO.	*ALT. ASSY.#	
B1A/B3A	34100-07	37712-01	1472114-1
B1B/B3B	34100-08	37712-02	1472114-2
B1C/B3C	34100-09	37712-03	1472114-3
B1D/B3D	34100-10	37712-04	1472114-4
B1E/B3E	34100-11	37712-05	1472114-5
B1G/B3G	34100-12	37712-06	1472114-6
B1I/B3I	34100-26	37712-07	1472114-7
B1N/B3N	34100-30	37712-08	1472114-8
D1A/D3A E1A/E3A I1A/I3A	34100-19	37713-01	1472115-1
D1B/D3B E1B/E3B I1B/I3B	34100-20	37713-02	1472115-2
D1C/D3C E1C/E3C I1C/I3C	34100-21	37713-03	1472115-3
D1D/D3D E1D/E3D I1D/I3D	34100-22	37713-04	1472115-4
D1E/D3E E1E/E3E I1E/I3E	34100-23	37713-05	1472115-5
D1G/D3G E1G/E3G I1G/I3G	34100-24	37713-06	1472115-6
D1I/D3I E1I/E3I I1I/I3I	34100-28	37713-07	1472115-7
D1N/D3N E1N/E3N I1N/I3N	34100-32	37713-08	1472115-8

ACCESSORIES		
CATALOG CODE	DESCRIPTION	PART NO.
CR0064	REAR CONNECTED SOCKET WITH Q.C. TERMINAL	34140-01
CR0191	REAR CONNECTED SOCKET WITH SCREW TERMINAL	34140-02
CR0179	EXTRACTING HANDLE	34141-01
	MULTIPLE SOCKET	34058-01
	HARDWARE FOR MULTIPLE SOCKET	34065-01
CR0066	FRONT TERMINAL SOCKET WITH Q.C. TERMINAL	34142-01
CR0067	FRONT TERMINAL SOCKET WITH SCREW TERMINAL	34142-02
	SURFACE MOUNTING SOCKET, PACKAGED	34071-01
CR0189	LOCKING SPRING KIT	34143-01
	LOCKING SPRING	34069-01
CR0070	LOCKING SPRING KIT	34144-01
	KEY PLUG	34072-01
CR0090	LOCKING SPRING KIT	34145-01
CR0091	DUAL REAR CONNECTED SOCKET, SOLDER TERMINAL	34146-01
CR0092	INTERLOCKING PINS, BAGGED (100)	34092-01
CR0095	SURFACE MOUNTING SOCKET, MODIFIED, PACKAGED	34095-01
CR0001	RELAY SOCKET KIT	34122-01
CR0002	RELAY SOCKET KIT	34121-01
CR0111	RETAINING SPRING KIT	34123-01
CR0188	ORIENTING PIN (SQUARE)	34007-01
CR0133	LOCKING SPRING KIT	34147-01
CR0155	LOCKING SPRING KIT	34148-01



Wiring Diagram (Bottom View)

NOTE ● MAY USED AS ALTERNATE CONSTRUCTION

Ordering Information

Typical Part No. >		TR	1	4	B	1	A	N
1. Basic Series:		TR = Timing control relay						
2. Operation:		1 = On-delay						
3. Output:		4 = 4PDT (4 form C)						
4. Operating Voltage:		B = 24VDC D = 215VDC I = 120VAC, 50/60 Hz.						
5. Timing Adjustment:		1 = Internal fixed. 3 = Internal potentiometer.						
6. Timing Range:		A = .15 to 3 sec. C = 1 to 30 sec. E = 4 to 120 sec. I = 2 to 60 min. B = .55 to 15 sec. D = 2 to 60 sec. G = 10 to 300 sec. N = 1 to 30 min.						
7. Options:		N = Magnetic blow-out device.						

ALL DIMENSIONS ARE IN INCHES[MM].

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RV 07AUG2019	TE Connectivity		
		CHK RV 07AUG2019			
		APVD DH 07AUG2019	NAME		
		PRODUCT SPEC	TR, TIME DELAY RELAY		
		APPLICATION SPEC	-		
		WEIGHT	-		
		CUSTOMER DRAWING	A3		
		SCALE NTS	SHEET 1 of 3		
		REV A	-		

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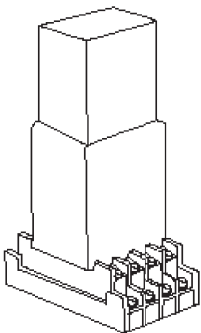
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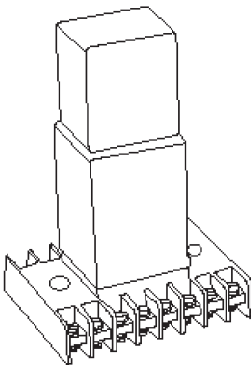
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—

Accessories for GP/ML/TR Series Control Relays

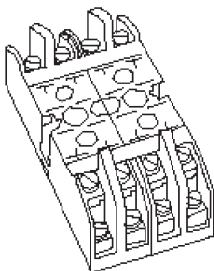
Front Connected Sockets



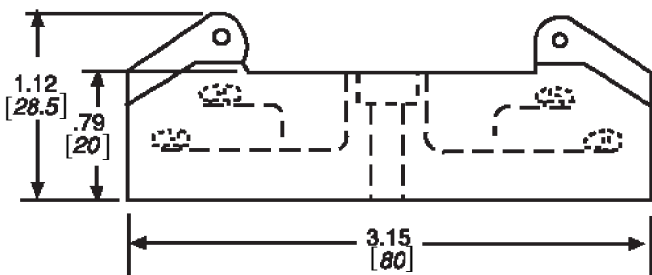
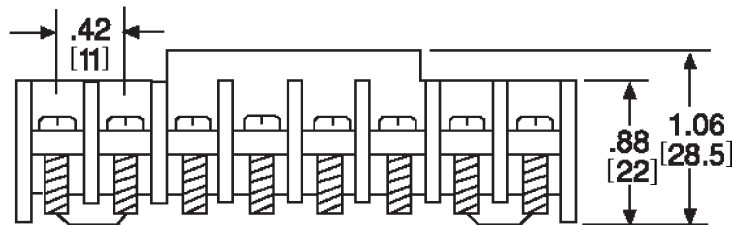
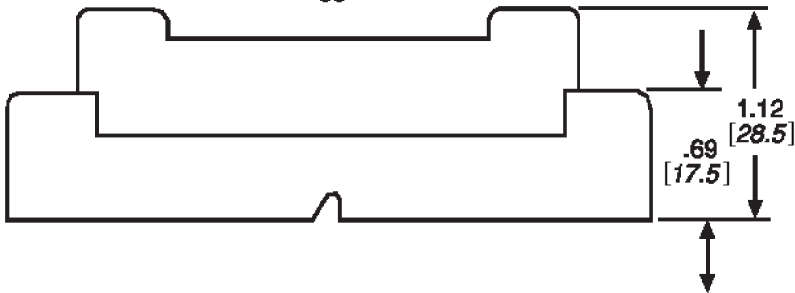
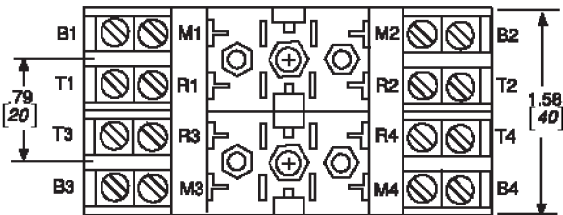
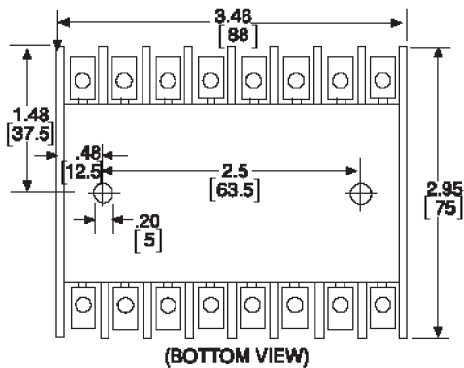
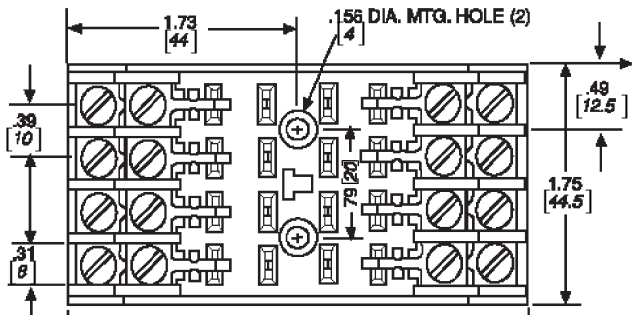
Cat. No. CR0001
With captive clamp terminals



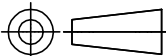
Cat. No. CR0095
With (#6) screw terminals



Cat. No. CR0067
With (#6) screw terminals



ALL DIMENSIONS ARE IN INCHES[MM].

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RV 07AUG2019	 TE Connectivity				
		CHK RV 07AUG2019					
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± — 4 PLC ± — ANGLES ± —	APVD DH 07AUG2019	NAME TR, TIME DELAY RELAY — —				
		PRODUCT SPEC —					
		APPLICATION SPEC —					
MATERIAL —		FINISH —	WEIGHT —	SIZE A3	CAGE CODE —	DRAWING NO C—TR—SERIES	RESTRICTED TO —
CUSTOMER DRAWING			SCALE NTS	SHEET 2 OF 3	REV A		

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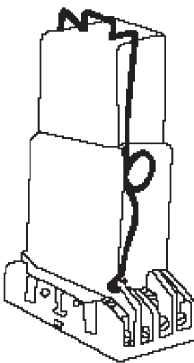
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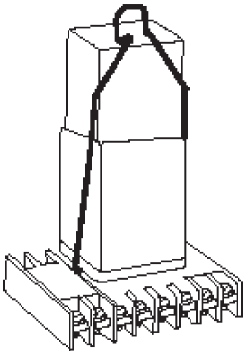
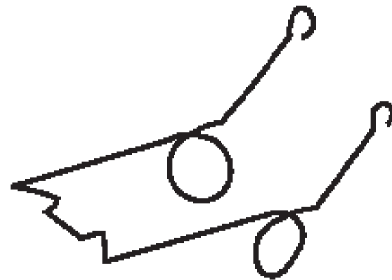
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—

Hold Down (Locking) Springs



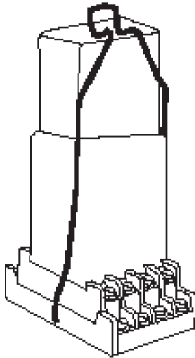
Cat. No. CR0069

For socket: CR0067



Cat. No. CR0070

For socket: CR0095

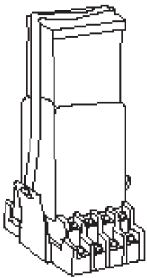


Cat. No. CR0111

For sockets: CR0001& CR0002

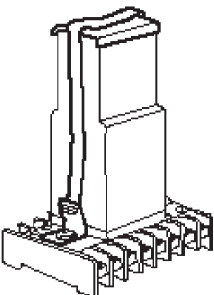


Heavy-duty Hold Down (Locking) Straps



*Cat. No. CR0133

For socket: CR0001 & CR0002

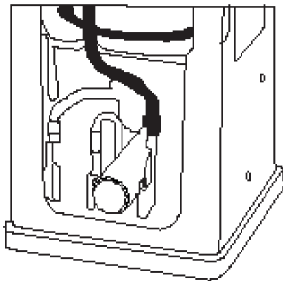


*Cat. No. CR0155

For socket: CR0095

* Catalog number includes strap, strap plate and necessary brackets.

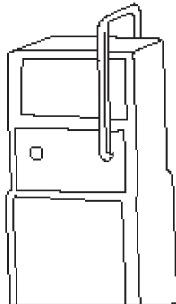
Magnetic Blowout Device



Cat. No. CR0190

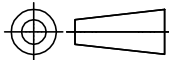
Reduces arcing on the relay contacts when they make or break contact, either upon energizing or de-energizing, resulting in less contact degradation. Extends the life of the contact.

Extracting Handle



Cat. No. CR0179

Used to remove GP, ML and TR units from mounting bases.

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		CHK RV	07AUG2019						
DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD DH	07AUG2019		NAME TR, TIME DELAY RELAY — —				
		PRODUCT SPEC —							
	0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± — 4 PLC ± — ANGLES ± —	APPLICATION SPEC —		SIZE		CAGE CODE	DRAWING NO	RESTRICTED TO	
		WEIGHT —		A3		—	C=TR—SERIES		—
MATERIAL —	FINISH —	CUSTOMER DRAWING				SCALE	NTS	SHEET 3 OF 3	REV A

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