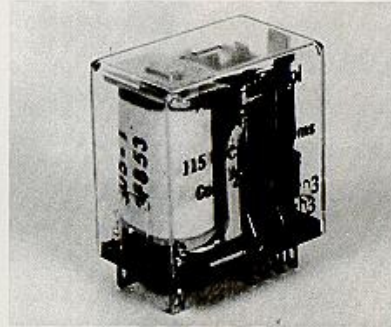


**Allied Controls, Inc. Catalog, Page 1**

**DC Cradle Relays**

**T154/TF154/T163/TY154 (up to 4 form C)—  
Standard DC Voltage Adjustment**

COIL RESISTANCE at 25°C ± 10% (Ohms)			VDC at 25°C		
2 and 4 Form A, B, C, D Pick-up 500 mw	6 Form A, B, C or D Pick-up 850 mw	8 Form A, B, or C Pick-up 1000 mw	Pick-up (Max)	Nominal	Max. Continuous
10	6	6	2.25	3.0	2.2W Coil Disp
52	25	20	4.5	6.0	
185	90	75	9.0	12.0	
700	430	430	18.0	24.0	
2500	1550	1275	36.0	48.0	
15,000	9000	9000	86.0	115.0	



**TS154/TSF154/TS163—Sensitive DC Voltage Adjustment**

COIL RESISTANCE at 25°C ± 10% (Ohms)				VDC at 25°C		
1 and 2 Form A, B, C, D Pick-up 100 mw	4 Form A, B, C, D Pick-up 175 mw	6 Form A, B, C or D Pick-up 250 mw	8 Form A, B, C or D Pick-up 400 mw	Pick-up (Max.)	Nominal	Max. Cont.
52	30	20	12	2.25	3.0	2.2W Coil Disp.
185	110	75	52	4.5	6.0	
800	430	350	190	9.0	12.0	
3200	1800	1275	800	18.0	24.0	
13,000	7500	5200	3200	36.0	48.0	

**TS154/TSF154/TS163—Sensitive DC Current Adjustment**

Coil Resistance at 25°C ± 10%	MAXIMUM PICK-UP CURRENT (mA)					Max. Coil Current (mA)
	2 Form A, B, C, D Pick-up 85 mw	4 Form A, B, C or D Pick-up 175 mw	6 Form A, B, C or D Pick-up 250 mw	8 Form A, B, C or D Pick-up 400 mw		
1000	8.5	13.0	16.0	20.0	45.0	
2500	5.8	8.4	10.0	13.0	28.0	
5000	4.1	6.2	7.2	9.0	20.0	
10,000	3.1	4.5	5.0	6.4	14.0	
15,000	2.6	3.5	4.2	5.3	11.5	

**TSS154/TSS163—Ultra-sensitive Voltage Adjustment**

COIL RESISTANCE at 25°C ± 10% (Ohms)					
1 Form A, B, C, D Pick-up 20 mw	2 Form A, B, C, D Pick-up 40 mw	3 and 4 Form A, B, C, D Pick-up 80 mw	Pick-up (Max.) VDC	Nominal VDC	Max. Cont.
220	110	52	2.25	3	2.2W 25°C
1000	500	250	4.5	6	
4000	2000	1000	9.0	12	
9000	4500	2200	13.5	18	
15,000	7500	3700	18.0	24	

**TSS154/TSS163—Ultra-sensitive Current Adjustment**

Coil Resistance at 25°C ± 10%	MAXIMUM PICK-UP CURRENT (mA)				Max. Cont. Coil Current (mA)
	1 Form A, B, C, D Pick-up 20 mw	2 Form A, B, C, D Pick-up 40 mw	3 Form A, B, C, D Pick-up 80 mw	4 Form A, B, C, D Pick-up 80 mw	
1000	4.5	6.5	9.0	9.0	45.0
2500	2.9	4.1	5.8	5.8	28.0
5000	2.1	2.9	4.1	4.1	20.0
10,000	1.5	2.0	3.0	3.0	14.0
15,000	1.2	1.7	2.4	2.4	11.5

**Ordering Information**

T  I  II  III  IV  V  VI VDC

**i. Immersion Sealing**

For immersion sealed relays add prefix S.

**l. Type**

Standard—No designation necessary  
Sensitive—Insert letter S  
Ultra-sensitive—Insert letter SS

**II. Contact Rating**

Low level to 2 ampere—No designation necessary  
5 ampere—Insert letter F<sup>1</sup>  
10 ampere—Insert letter Y<sup>2</sup>

**III. Terminal Type and Mounting**

Single stud—Insert letter V  
Tapped holes in top—Insert letter W  
Solder/plug-in—No designation necessary

Printed circuit—Insert letter P

**III.A. Light Option**

For light option—Insert letter L (UL recognition pending)

**IV. Contact Type**

Single contacts—Insert code 154  
Bifurcated contacts—Insert code 163  
Cross-bar bifurcated, gold-platinum-silver alloy (WE #1) contacts—Insert code K163

**V. Contact Configuration**

DPDT or 2 form C or C-C—Insert 2C  
4 PDT or 4 form C or CC-CC—Insert 4C  
6 PDT or 6 form C or CCC-CCC—Insert 6C  
8 PDT or 8 form C or CCCC-CCCC—Insert 8C

**VI. Nominal Coil Voltage (VDC) or Maximum Operate Current (mADC)**

Select one from coil data table

**Example #1**

T154-2C-24VDC  
(T relay, 2 amp contacts rating, 2 form C, 24VDC coil)

**Example #2**

TSFP154-2C-24VDC  
(T relay, sensitive adjust, 5 ampere contacts rating, printed circuit terminals, 2 form C, 24VDC coil)

Note: For mating sockets, see page 8.

<sup>1</sup>Not available with SS adjustments. TF163 UL recognition pending.

<sup>2</sup>Not available in bifurcated contacts or with S or SS adjustments. UL recognition pending.

Back to [Catalog](#), or go to page:

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23](#) [24](#) [25](#) [26](#) [27](#) [28](#) [29](#) [30](#)