

CT2

Single function | multivoltage



Time data

Timing functions	fig. 1 1: E, B 2: A, K 3: W
Timing range	0.2 s ... 3 s / 2 s ... 30 s / 0.2 min ... 3 min / 2 min ... 30 min
Timing scale	3 s / 30 s / 3 min / 30 min

Control circuit

Nominal voltage	9,5 ... 18 V UC	20 ... 65 V UC
Operating voltage range	9,5 ... 17 V UC	20 ... 65 V UC
Power consumption AC / DC	0.2 VA / 0.4 W	0.4 VA / 0.4 W
Current consumption on supply A1-A2 AC / DC	12 mA / 12 mA	6 mA / 6 mA
Current consumption on input control B1 AC / DC	- / 0.2 mA	0.2 mA / 0.2 mA
Threshold voltage on input control B1 AC / DC	9 V / 9 V	18 V / 18 V
Rated frequency	DC	0; 40 ... 60 Hz

Control circuit

Nominal voltage	90 ... 150 V UC	180 ... 265 V UC
Operating voltage range	80 ... 150 V UC	150 ... 265 V UC
Power consumption AC / DC	0.3 VA / 0.4 W	0.5 VA / 0.5 W
Current consumption on supply A1-A2 AC / DC	2 mA / 2 mA	2 mA / 2 mA
Current consumption on input control B1 AC / DC	0.2 mA / 0.2 mA	0.2 mA / 0.2 mA
Threshold voltage on input control B1 AC / DC	75 V / 75 V	140 V / 140 V
Rated frequency	0; 40 ... 60 Hz	0; 40 ... 60 Hz

Control circuit

Nominal voltage	90 ... 265 V UC
Operating voltage range	90 ... 265 V UC
Power consumption AC / DC	0.5 VA / 0.5 W
Current consumption on supply A1-A2 AC / DC	2 mA / 2 mA
Current consumption on input control B1 AC / DC	0.2 mA / 0.2 mA
Threshold voltage on input control B1 AC / DC	75 V / 75 V
Rated frequency	0; 40 ... 60 Hz

General data

Ambient temperature storage (no ice)	-40 ... 85 °C
Ambient temperature operation	-25 ... 60 °C
Conductor cross section	2.5 mm ²
Nominal screw torque	0.5 Nm
Dimensions	fig. 2
Weight	35 g
Protection degree	IP 20
Housing material	PC

Product reference

Description	Type	S DC9.5-18	L UC20-65	M 90-150	U 180-265	H 90-265
Off delay	CT2-A30/...V	✓	✓	✓	✓	
Blinker	CT2-B30/...V	✓	✓			✓
On delay	CT2-E30/...V	✓	✓			✓
Pulse shaping, one shot	CT2-K30/...V	✓	✓	✓	✓	

Other voltages on request. Please contact support@comatreleco.com.
«...» list control circuit voltage to complete product references.

Accessories

Socket	S2-B, S2-P0
Retaining clip	HF-33

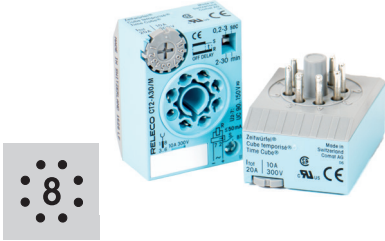


fig. 1. Wiring diagram

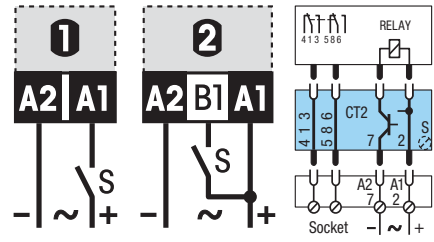
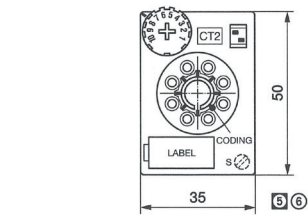


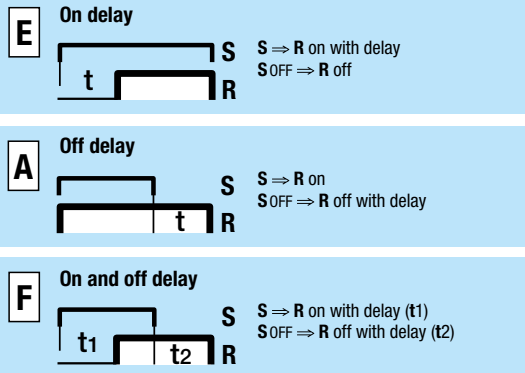
fig. 2. Dimensions (mm)



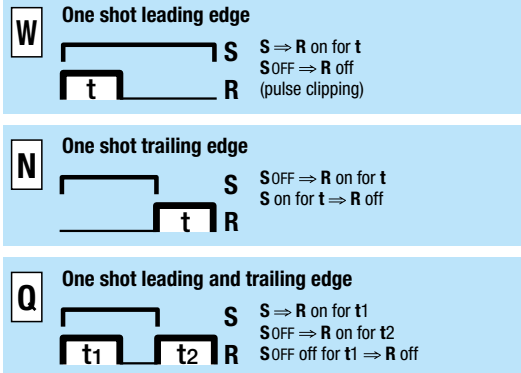
Standards and approvals

Standards	IEC/EN 60947
Approvals	CE cULUS

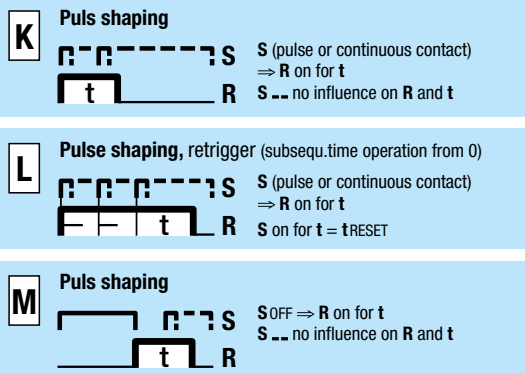
Delay functions



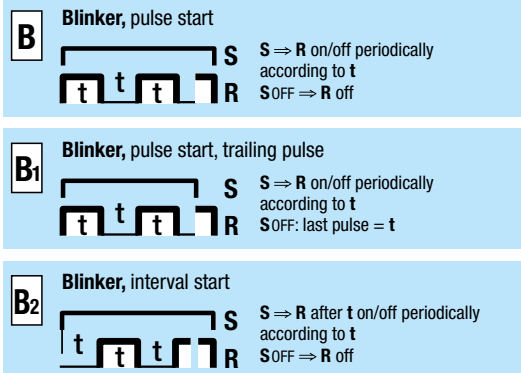
Shot timing modes



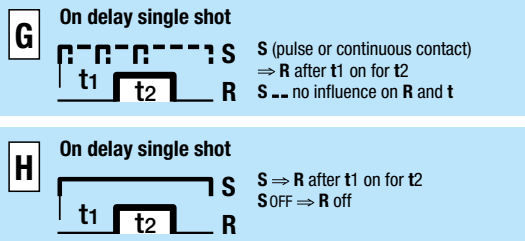
Puls shaping



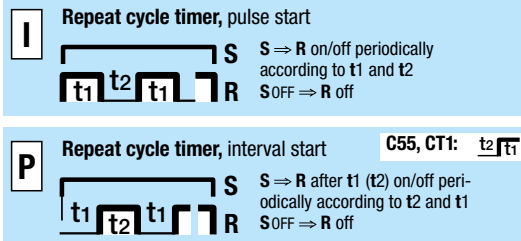
Blinker functions



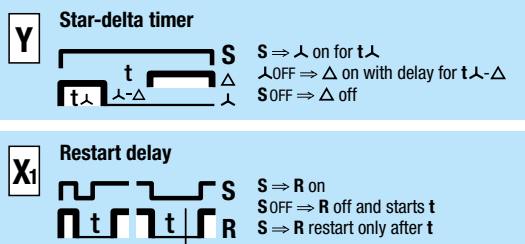
Delayed pulse



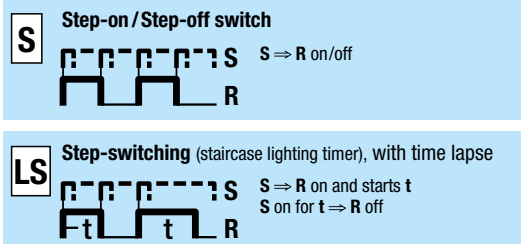
Repeat cycle timer



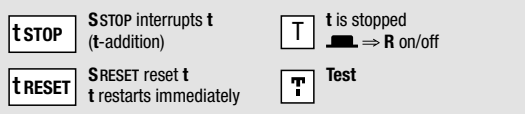
Special functions



Special functions

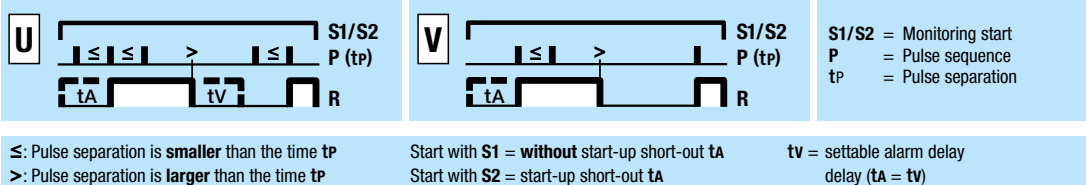


Stop/Reset



S = Triggering
 R = Output circuit
 $\Rightarrow$ = switches...
ON **OFF**

Pulse sequence monitoring



Time Cubes



Type	Function																			t-Stop	t-Reset	Ext. Poti	t max.							
	E	A	F	W	N	Q	K	L	M	B	B ₁	B ₂	G	H	I	P	S	LS	X ₁	U	V				sec	min	h	d	Page	
CT...E 30	●																									30				229
CT...A 30		●																								30				229
CT...K 30				●			●																			30				229
CT...B 30										●																30				229

Modular plug-in Time Relays (CT-System)



Type	Function																			t-Stop	t-Reset	Ext. Poti	t max.				
	E	A	F	W	N	Q	K	L	M	B	B ₁	B ₂	G	H	I	P	S	LS	X ₁				U	V	sec	min	h
CT32...	●	●		●	●		●				●	●												60*			233
CT33...	●	●	△		●	△	●	●			●	●		▲	▲										60*		234
CT36...															●	●									60*		235

Plug-in Time Relays



Type	Function																			t-Stop	t-Reset	Ext. Poti	t max.				Page	
	E	A	F	W	N	Q	K	L	M	B	B ₁	B ₂	G	H	I	P	S	LS	X ₁				U	V	sec	min		h
C55	●	●	●	●	●	●	●		●				●	●	●	●					●	●	●				60	210
C55.3	●	●	●	●	●	●			●				●	●	●	●					●	●	●				60	211
C55.4	●	●	●	●	●	●			●				●	●	●	●					●	●	●				60	212
C56	●	●	●	●	●	●	●		●				●	●	●	●					●	●	●	●			60	213
C64		■			■																						20	214
CS2	●	●		●	●		●			●		●												●			60*	217
CS3	●	●		●	●		●					●															60*	218
RS 41-M	●	●		●			●			●																15		219

Plug-in Time Relays



	Function																			t-Stop	t-Reset	Poti	t max.				
Type	E	A	F	W	N	Q	K	L	M	B	B ₁	B ₂	G	H	I	P	S	LS	X ₁	U	V	sec	min	h	d	Page	
C83	●	●	△	●	●	△	●	●		●	●		▲	▲											60*		215
C85			●			●							●	●	●	●									60*		216

DIN Time Relays



Type	Function																				t-Stop	t-Reset	Ext. Poti	t max.				Page
	E	A	F	W	N	Q	K	L	M	B	B ₁	B ₂	G	H	I	P	S	LS	Y	U				V	sec	min	h	
AA2 - AA2M	●	●																					1,5/12			170		
AE2 - AE2M	●																						1,5/12			171		
AL1								●																		195		
AL3								●										●	●					60		196		
AL4								●										●	●					60		197		
AL5																		●								198		
AM1	●			●						●		●												60		199		
AM2	●	●		●			●																	60		200		
AM3 ¹⁾	●	●		●			●																60			201		
CM2	●	●		●			●														●	●	●		12	202		
CM3	●	●		●	●		●			●	●													60*		203		
CMD11 A		●																								168		
CMD11 E	●																									169		
CIM1	●	●		●	●		●			●	●							●	●					60*		176		
CIM12	●	●		●	●		●			●	●							●	●					60*		178		
CIM13	●	●		●	●		●											●	●					60*		180		
CIM14	●	●		●	●		●			●	●							●	●					60*		182		
CIM2	●	●						●	●			●	●	●										60*		183		
CIM22	●	●						●	●			●	●	●										60*		185		
CIM23	●	●						●	●			●	●	●										60*		187		
CIM3			●			●							●	●	●	●								60*		189		
CIM32			●			●							●	●	●	●								60*		191		
CIM33			●			●							●	●	●	●								60*		193		
CRV4	●	●	△	●	●	△	●	●	●	●	●	●	●	●				●	●			●		60*		205		
CSV4	●	●	△	●	●	△	●	●	●	●	●	●	●	●				●	●			●		10*		206		
CPF11		●					●	●															0.6			204		
CY1																			●							208		

* TF-60 Setting of long times

The TF60 time setting method permits short examination of long delay time settings. Elapsing times of hours can be monitored in the sec. range.

Example for a delay time of 38h:

1. Set range switch to 60sec
2. Set 38sec on the potentiometer (e.g. check 38sec by chronometer)
3. Set range switch to 60h

The delay time now amounts to 38h.

- ¹⁾ alternatively with instantaneous contact
- without auxiliary voltage (relay bistable)
- without auxiliary voltage (relay monostable)

△ t₂ = t₁

▲ t₂ = 0.5s