

## Relays and Timers



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## Relays and Timers

## Product Description

Eaton's new line of **XT** relays and timers includes mini and standard frame control relays and auxiliary contacts, mini electronic on-delay and multi-function timers and an electronic star-delta (wye-delta) timer for use in star-delta (wye-delta) combinations. Because **XT** meets UL®, CSA® and CE standards, it is the perfect product solution for IEC applications all over the world. The compact, space saving and easy to install **XT** line of IEC contactors and starters is the efficient and effective solution for customer applications.

## Features

- For use with mini and standard frame size contactors and starters
- Control relays
  - AC control from 12V to 550V 50 Hz, 600V 60 Hz
  - DC control from 12V to 220V
- On-delay and multi-function timers
  - 24–240 Vac/Vdc control
- Available with screw or spring cage terminals
- Four-pole configurations
- IP20 finger and back-of-hand proof
- Large ambient temperature range:  $-25^{\circ}$  to  $50^{\circ}\text{C}$  [ $-13^{\circ}$  to  $122^{\circ}\text{F}$ ]
- The XTRE control relays have positively driven contacts between the relay and the auxiliary contact modules as well as within the auxiliary contact modules

## Standards and Certifications

- IEC EN 60947
- CE approved
- UL
- CSA

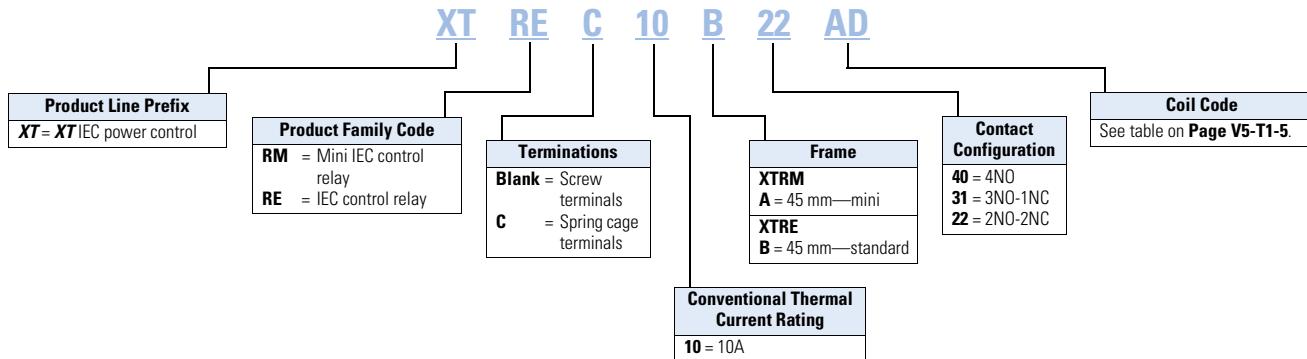


## Instructional Leaflets

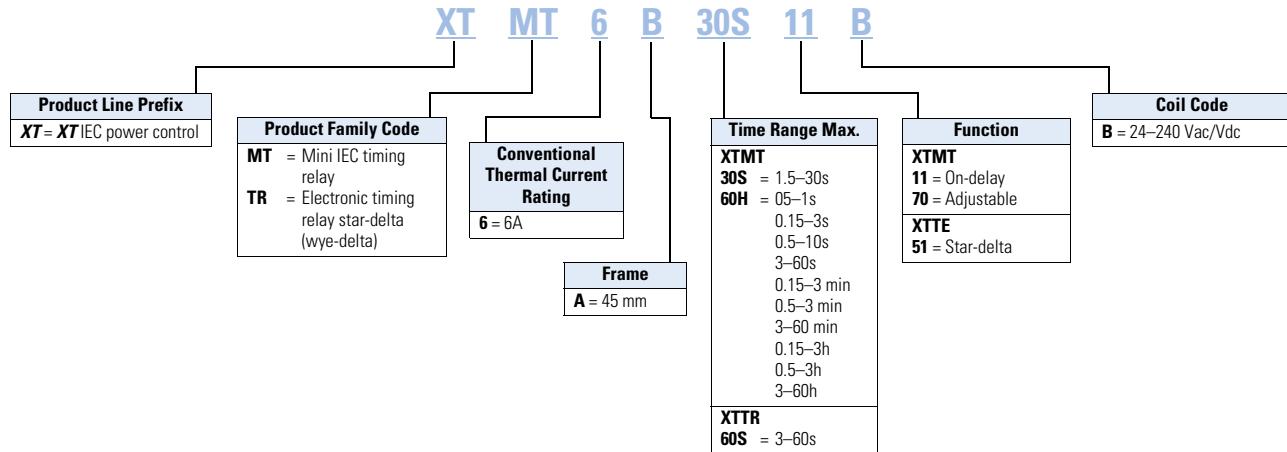
Pub51219	XTRM Mini Control Relays
Pub51210	XTRE Control Relays
Pub51244	XTTR Electronic Star-Delta (Wye-Delta) Timer
Pub51245	XTMT Mini Electronic On-Delay and Multi-Function Timers

## Catalog Number Selection

## XT—Relays



## XT—Timers



## Product Selection

## When Ordering

- Orders must be placed in multiples of the package quantity listed
- DC operated control relays have a built-in suppressor circuit
- Contact terminal numbers to EN50011
- Coil terminal numbers to EN50005

## TRM10A\_

## Mini Control Relays



Conventional Thermal Current $I_{th}$ (A)	Contact Configuration	Rated Operational Current AC-15 $I_e$ (A)			Circuit Symbol	Screw Terminal Catalog Number <sup>①</sup>
		220-240V	380-415V	500V		
10	4NO	6	3	1.5		XTRM10A40_
10	3NO-1NC	6	3	1.5		XTRM10A31_
10	2NO-2NC	6	3	1.5		XTRM10A22_ <sup>②</sup>

## XTREC10\_

## Control Relays



Conventional Thermal Current Open at 60°C $I_{th}$ (A)	Contact Configuration	Rated Operational Current AC-15 $I_e$ (A)			Circuit Symbol	Screw Terminal Catalog Number <sup>①</sup>	Spring Cage Terminal Catalog Number <sup>①</sup>
		220-240V	380-415V	500V			
16	4NO	6	4	1.5		XTRE10B40_	XTREC10B40_
16	3NO-1NC	6	4	1.5		XTRE10B31_	XTREC10B31_
16	2NO-2NC	6	4	1.5		XTRE10B22_ <sup>③</sup>	XTREC10B22_ <sup>②</sup>

## Coil Voltage Suffix

Coil Voltage	Suffix Code	Coil Voltage	Suffix Code	Coil Voltage	Suffix Code	Coil Voltage	Suffix Code
110V 50 Hz, 120V 60 Hz	A	415V 50 Hz, 480V 60 Hz	C	380V 50 Hz, 440V 60 Hz	L	120 Vdc	AD
220V 50 Hz, 240V 60 Hz	B	550V 50 Hz, 600V 60 Hz	D	380V 60 Hz	P	220 Vdc	BD
230V 50 Hz	F	208V 60 Hz	E	12V 50/60 Hz	R	12 Vdc	RD
24V 50/60 Hz	T	190V 50 Hz, 220V 60 Hz	G	42V 50 Hz, 48V 60 Hz	W	48 Vdc	WD
24 Vdc	TD	240V 50 Hz, 277V 60 Hz	H	48V 50 Hz	Y	120 Vdc	AD

## Notes

<sup>①</sup> Underscore (\_) indicates magnet coil suffix required. See Coil Voltage Suffix table above.

<sup>②</sup> DC operated control relays XTRM(C)10A22\_ cannot be used with front mount auxiliary contacts.

<sup>③</sup> DC operated control relays XTRE(C)10B22\_ can only be combined with two-pole auxiliary contacts.