

# COMPALARM CM-CMT



## GENERAL

The **COMPALARM CM** devices allow to maintain the information of the parameter in every or alarm, even without the auxiliary power supply or voltage black out.

As a matter of fact, whenever any parameter fails and it is associated to an alarm signal, the mobile flag -sited at the front panel - will turn to orange, due to its magnetic withholding.

It is only possible to return to the initial position (black colour) by an opposed polarity pulse by pressing the reset button, after that the external anomaly (associated to the alarm) has disappeared.

The **COMPALARM CM** is fitted with two output relays, with a different switching system, according with different version types.

In the **CM4** and **CM6** versions, the output relays (S.A. And T) will be excited simultaneously, when one of the input contacts is closed. Then the associated relay to the acoustic signal (S.A.) may be brought to the rest position by pressing the acknowledging push button, even with an existing external anomaly. Whilst the cumulative alarms relay (T) can only be brought to the rest position by pressing the Reset push button, provided that all the input contacts are re-opens, because the external alarm causes have disappeared.

In the CMT2, CMT4 and CMT6 versions, the acoustic signal associated relay (S.A.) will be excited, when one of the input alarm contacts is closed, and it follows same behaviour as the CM4 and CM6. Whilst the (T) relay, which is used to open the breakers in this version, will only be excited with the closing of the C4-C5 and C6 contacts.

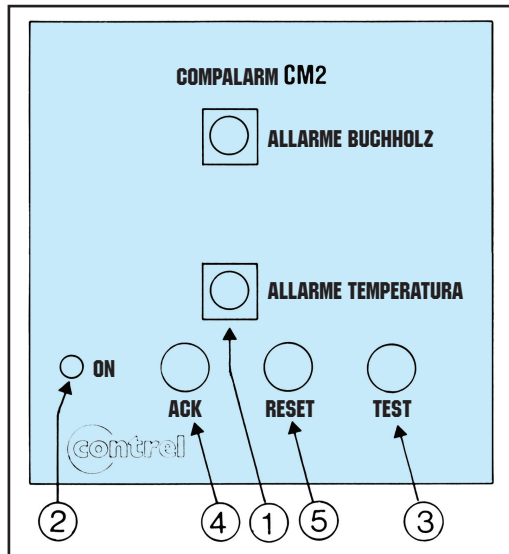
The most suitable solution for the Transformers control is the CMT type, this is to say: it becomes the idoneous substitution of the classic relays built-in a panel, with the addition of the DIN 96x96mm drill, the grouping of 6 signals in an unic compact enclosure and the possibility of controlling 2 output relays (siren and disconnecting coil) without further wiring.

Other particular feature, common to all COMPALARM CM series, is the multiple auxiliary supply and the possibility of remote acknowledgment of the siren.

## ELECTRICAL CHARACTERISTICS

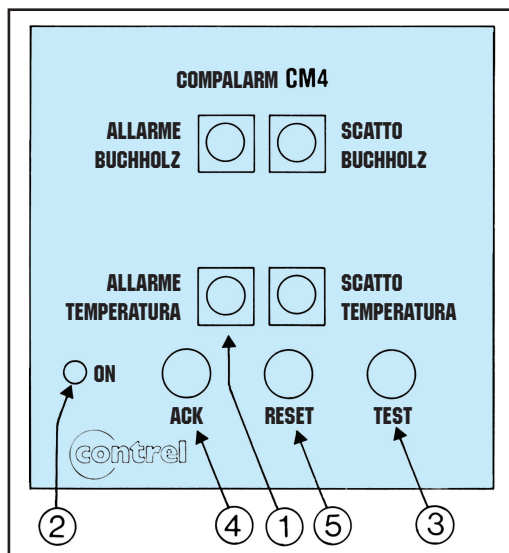
Auxiliary voltage supply	110-230-400Va.c. 24-48 Va.c./d.c. 110 Vd.c.
Self consumption	5VA
Input contact	NO
Output with 2 relays: -Acoustic signal relay -Remote control relay	
Power capacity	5VA
Commuting voltage	400Va.c.
Max. commuting power with resistive load	1100VA
Auxiliary voltage signal	Green LED
Alarm mechanical signal	Orange colour
Push button for test	Built in
Push button for acknowledgement	Built in
Push button for reset	Built in
Working temperature	-10°C ÷ +60°C
Storing temperature	- 20°C ÷ +80°C
Versions	
CM2- CMT2	2 mechanical signals
CM4- CMT4	4 mechanical signals
CM6- CMT6	6 mechanical signals

# COMPALARM CM-CMT



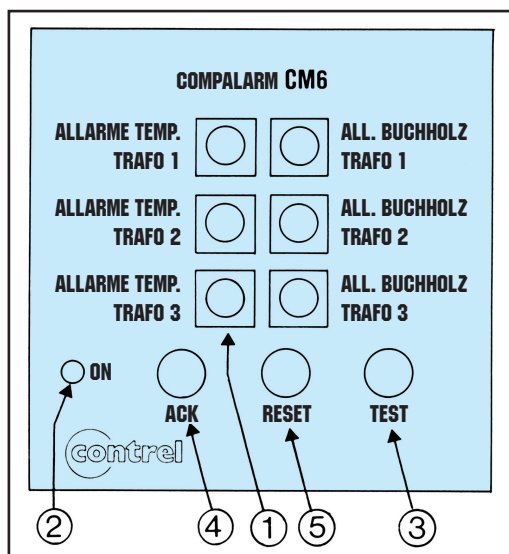
## DESCRIPTION

- 1 - Mechanical signalisation of avery (orange flag)
- 2 - Auxiliary voltage supply signalisation (green) LED
- 3 - Push button for test of alarm sequence
- 4 - Push button for acknowledging
- 5 - Push button for resetting



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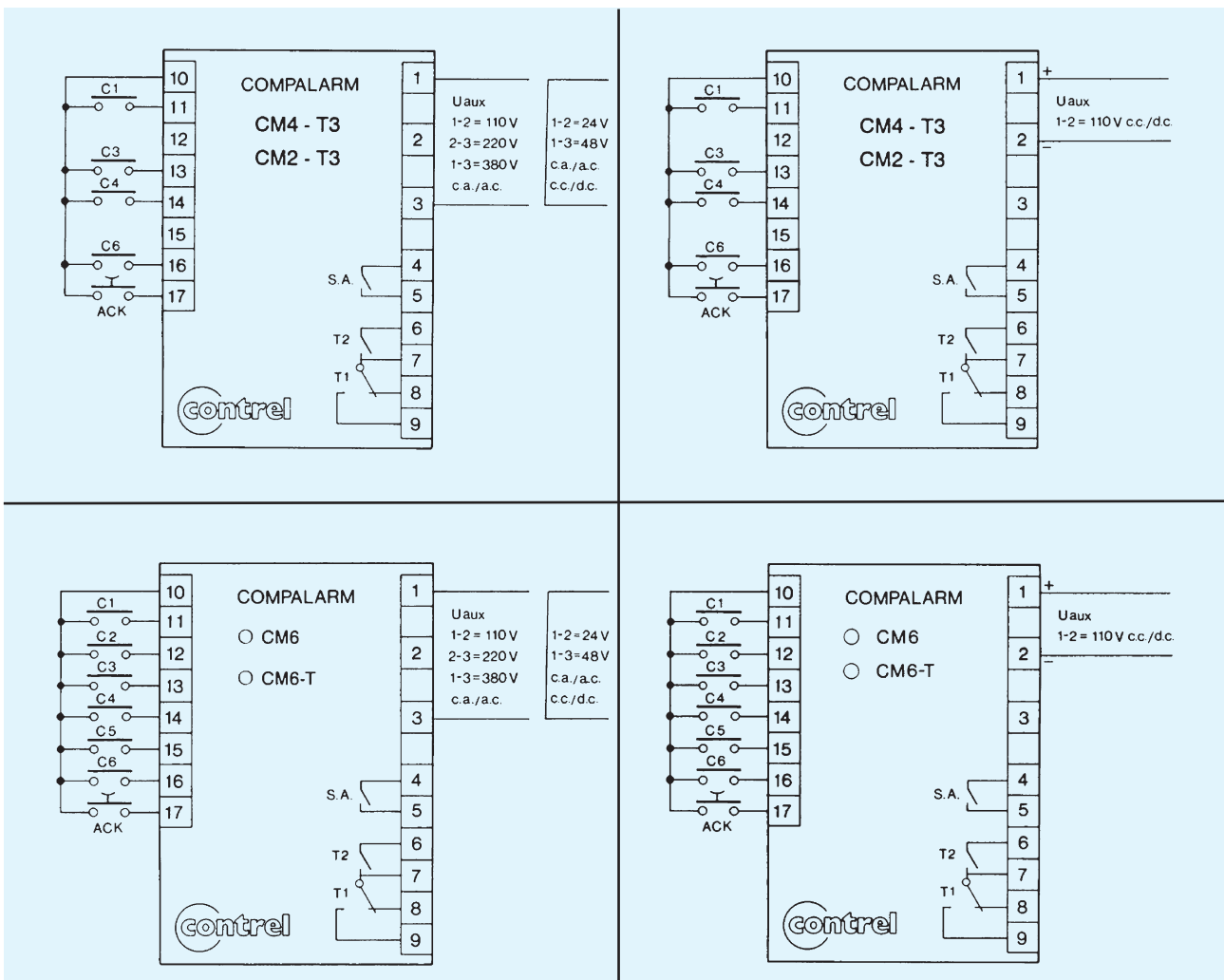
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The behaviour of the output contacts related to the input contact can be found in the following table:

TYPE	INPUT CONTAC	TRIPPED RELAYS
CM2-T3	C1	S.A.-T2
	C3	S.A.-T1
CM4-T3	C1-C3	S.A.
	C4	S.A.-T2
	C6	S.A.-T1
CM6-T3	C1-C2-C3	S.A.
	C4	S.A.-T2
	C5-C6	S.A.-T1
CM6	C1-C2-C3	S.A.-T2
	C4-C5-C6	

## WIRING DIAGRAM



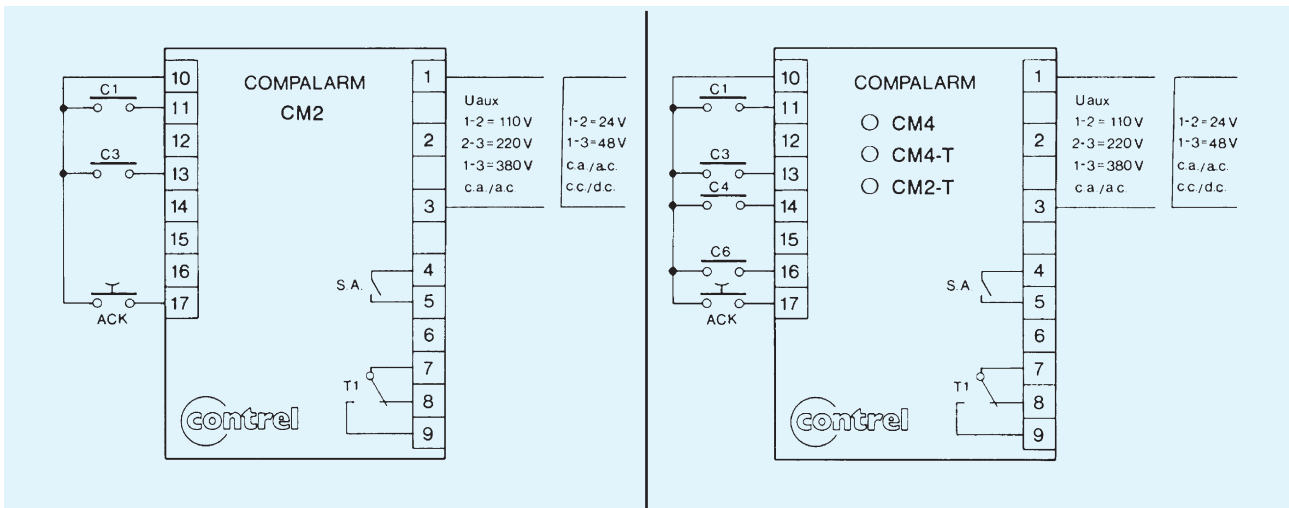
C1+C 6 Alarm input contacts  
 S.A. Acoustic signal  
 T1-T2 Remote signal or tripping  
 ACK Remote acknowledgement

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The behaviour of the output relays, related to the input alarm contacts can be found in the following table

TYPE	INPUT CONTAC	TRIPPED RELAYS
CM2	C1-C3	S.A.-T1
CM2-T	C1	S.A.
	C3	S.A.-T1
CM4	C1-C3-C4-C6	S.A.-T1
	C4-C6	S.A.-T1

## WIRING DIAGRAM



- C1+C6 Alarm input contacts
- S.A. Acoustic signal
- T1-T2 Remote signal or tripping
- ACK Remote acknowledgement

## DIMENSIONS

