

GENERAL



The COMPALARM CM devices allow to maintain the information of the parameter in avery 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 witholding.

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

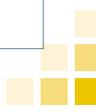
the closing of the C4-C5 and C6 contacts.

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.

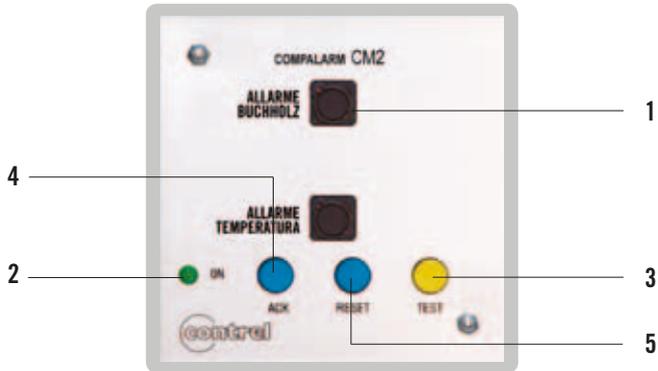
Other particular feature, common to all COMPALARM CM series, is the multiple auxiliary supply and the possibility of remote acknowledgment of the siren.

ELECTRICAL CHARACTERISTICS

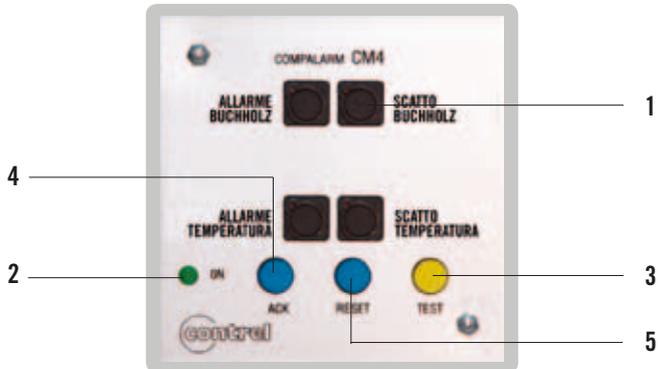
Auxiliary power supply		110-230-400Va.c. 24-48 Va.c./d.c. 110 Vd.c.
Self-consumption		5 VA
Input contact		NO
Output with 2 relays: -Acoustic signal relay -Remote control relay	Power capacity Commuting voltage Max. commuting power with resistive load	5VA 400Va.c. 1100VA
Auxiliary voltage signal		Green 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 CM4- CMT4 CM6- CMT6	2 mechanical signals 4 mechanical signals 6 mechanical signals



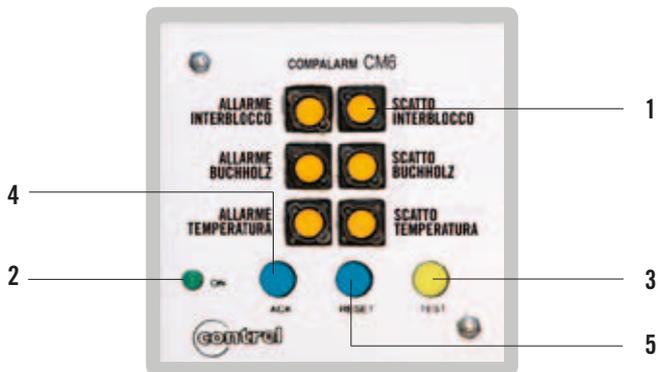
LEGEND



CM2 / CM2-T	
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

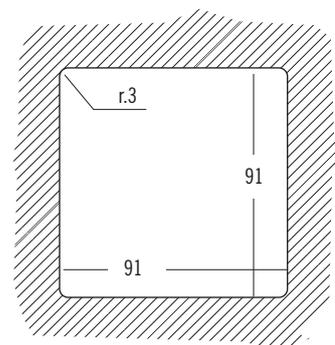
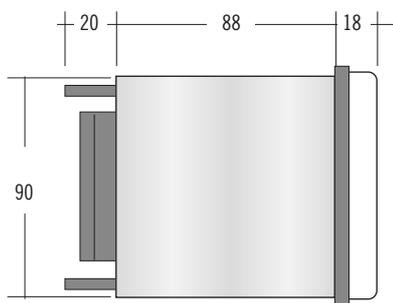
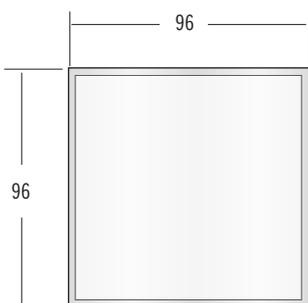


CM4 / CM4-T / CM4-T3	
1	Mechanical signalisation of avery (orange flag)
2	Auxiliary voltage supply signalisation (green) LED
3	Push button for test of alarm sequence
4	Push button for acknowledging
5	Push button for resetting

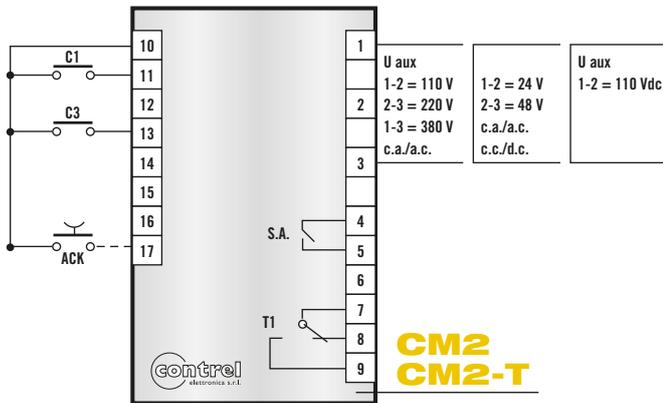


CM6-3 / CM6-T / CM6-T3	
1	Mechanical signalisation of avery (orange flag)
2	Auxiliary voltage supply signalisation (green) LED
3	Push button for test of alarm sequence
4	Push button for acknowledging
5	Push button for resetting

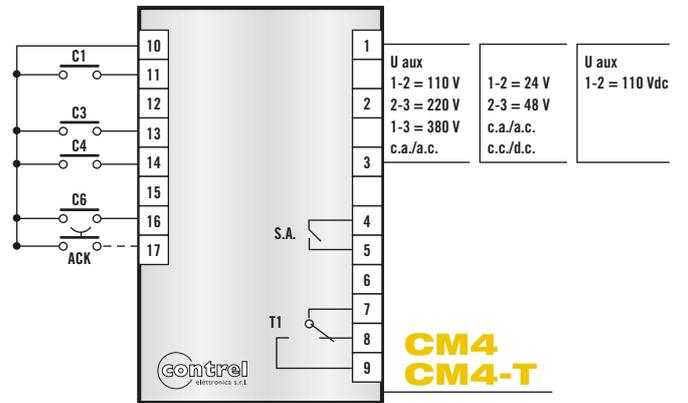
DIMENSIONS



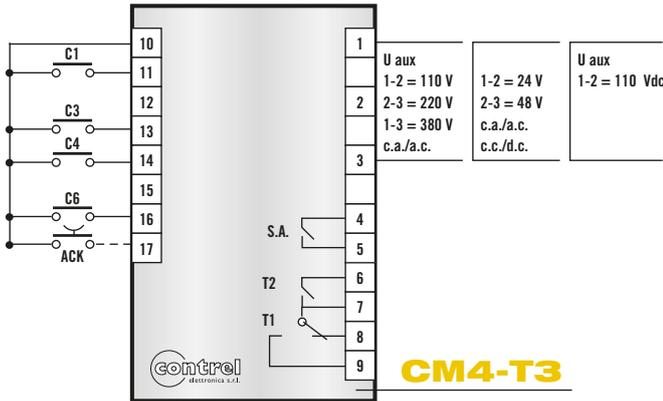
WIRING DIAGRAM



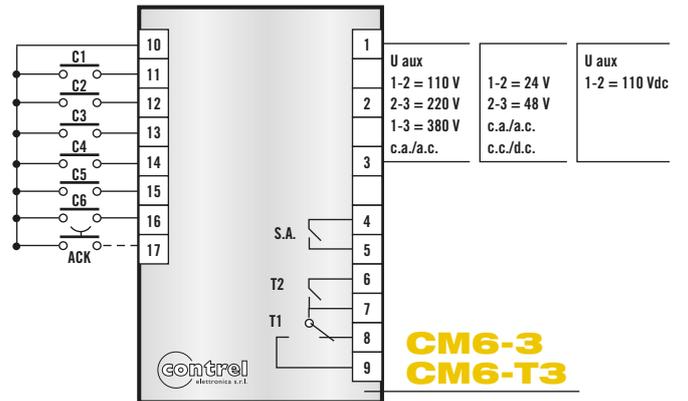
**CM2
CM2-T**



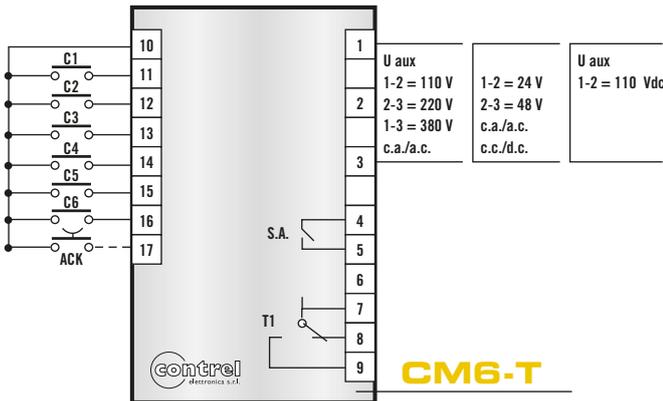
**CM4
CM4-T**



CM4-T3



**CM6-3
CM6-T3**



CM6-T

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

	CONTATTO INGRESSO	RELE' INTERVENUTI
CM2	C1 - C3	S.A. - T1
CM2-T	C1	S.A.
	C3	S.A. - T1
CM4	C1 - C3 - C4 - C6	S.A. - T1
CM4-T	C1 - C3	S.A.
	C4 - C6	S.A. - T1
CM4-T3	C1 - C3	S.A.
	C4	S.A. - T2
	C6	S.A. - T1
CM6	C1 - C2 - C3	S.A. - T1 - T2
	C4 - C5 - C6	S.A. - T1 - T2
CM6-T3	C1 - C2 - C3	S.A.
	C4	S.A. - T2
	C5 - C6	S.A. - T1

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

