

COMPALARM CM

MECHANICAL ALARM ANNUNCIATOR

GENERAL

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

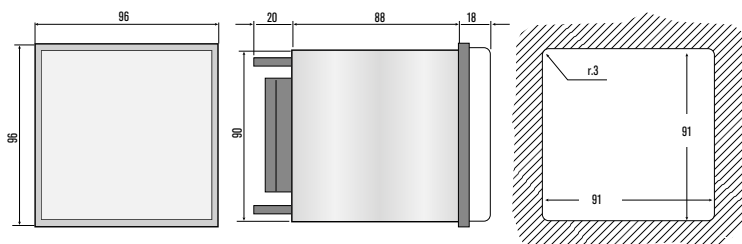
As a matter of fact, whenever any parameter fails and it is associated to an alarm signal, the mobile flag sited at the front panel will turn to orange, due to its magnetic witholding. It is only possible to return to the initial position (black colour) by an opposed polarity pulse by pressing the reset 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 opened, 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 96x96 mm drill, the grouping of 6 signals in a unique 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.

| TECHNICAL CHARACTERISTICS | CM2 | CM4 | CM6 |
|------------------------------|---|---|---|
| CHANNEL INPUTS | | | |
| Rated voltage | 24/48 VAC/DC 110 VDC - 110/230/400 VAC | 24/48 VAC/DC 110 VDC - 110/230/400 VAC | 24/48 VAC/DC 110 VDC - 110/230/400 VAC |
| Power consumption | 5 VA | 5 VA | 5 VA |
| CHANNEL INPUTS | | | |
| Number of inputs | 2 | 4 | 6 |
| Contact type | Normally open | Normally open | Normally open |
| MECHANICAL SIGNALS | | | |
| Number of signals | 2 | 4 | 6 |
| PUSHBUTTONS | | | |
| Number of pushbuttons | 3 (ACK, RESET, TEST) | 3 (ACK, RESET, TEST) | 3 (ACK, RESET, TEST) |
| AMBIENT CONDITIONS | | | |
| Operating temperature | -10 ÷ +60 °C | -10 ÷ +60 °C | -10 ÷ +60 °C |
| Storage temperature | -20 ÷ +80 °C | -20 ÷ +80 °C | -20 ÷ +80 °C |
| Relative humidity | 30 ÷ 90 % (not condensing) | 30 ÷ 90 % (not condensing) | 30 ÷ 90 % (not condensing) |
| HOUSING | | | |
| Material | Noryl | Noryl | Noryl |
| Version | Flush mount | Flush mount | Flush mount |
| Dimensions w x h x d | 96 x 96 x 88 mm | 96 x 96 x 88 mm | 96 x 96 x 88 mm |
| Cutout | 91 x 91 mm | 91 x 91 mm | 91 x 91 mm |
| Degree of protection | IP40 | IP40 | IP40 |
| Weight | 500 g | 500 g | 500 g |
| MECHANICAL SIGNALS | | | |
| Reference standards | EMC 89/336/EEC - EN 50082-1 - EN 50082-2 | | |

DIMENSIONS



COMPALARM CM

MECHANICAL ALARM ANNUNCIATOR

FRONT PANEL



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 |

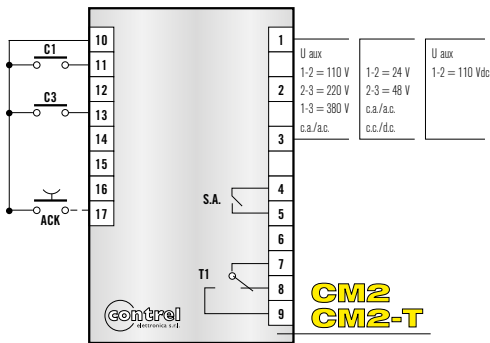
CM4 / CM4-T / CM4-T3

| | |
|---|--|
| 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 |

WIRING DIAGRAM



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

