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Explosion-proof Call Repeater relay for analogue lines, suitable to drive external Flashing and Loud Audio repeaters, model RRT500T



XCS-112-30-1A

Protection:	Ex d IIC T6
Dimensions:	73 x 73 x 30 mm
Operating temperature:	-40°C ÷ +70°C
Fixing:	4 holes on the four corners
Wiring:	screw plug-in terminals
MTBF:	>200.000 hours



RRT500T

COMPATIBLE LOADS

The electronic card P/N XCS-112-30-1A is equipped with a bi-stable relay with a NO/NC contact (power of interruption 250VAC-8A). It is strongly recommended a verification of the real nature of the loads before using the equipment. In case of doubts please contact our service.

Installation procedure:

- Install the electronic card XCS-112-30 in a suitable enclosure
- Connect the wires of the telephone line following the instructions book
- Connect the command contacts (NO/NC) to the load if you have verified that the load power does not exceed the limits
- fix the working mode by setting jumpers and make a functional test by sending a call on the telephone line

This product is covered by a 24 month guarantee against defects

The explosion-proof Call Repeater **RRT500T** is equipped with the electronic card designed to detect the ringing voltage on an analogue telephone line and drive a loud call repeater and/or flashing beacon, controlled by a microprocessor, it does not require any power source.

The electronic card **XCS-112-30-1A** is equipped with a bi-stable relay, activated when a call is sent on a common analogue telephone line. The circuit is powered directly by the telephone line, it does not need any additional DC power. The ring-detecting circuit does not charge the telephone line and it does not interfere with the equipment working on the same telephone line.

The call criteria of a common analogue telephone line consists of a impulse train at 60Vac that – depending by the kind of telephone exchange – can have different rhythms (a typical rhythm is 4 sec ON – 1 sec OFF).

The microprocessor is instructed to keep the relay activated also during the pauses between rings, when the line voltage is at 0 Volts. This is very useful to increase the efficiency of the acoustic and flashing devices use to advise the people of an incoming call.

Some jumpers on the PCB can be used to choose between the SYNCHRONE mode (the relay repeats exactly the rhythm of the call voltage) and ASYNCHRONE mode (the relay stays activated also during the pauses between the rings).

ORDER CODES

EXPLOSION-PROOF REPEATER RELAY IP66

Order code RRT500T

Explosion -proof enclosure made of aluminum light alloy, painted for outdoor, with cable inlets holes (excluding cableglands), suitable for outdoor mounting, IP66 – Ex d IIC T6 (I12GD) suitable for classified areas Zona 1–21 & 2-21.

WEATHER-PROOF REPEATER RELAY IP66

Order code RRT450T

Weather-proof enclosure made of aluminum light alloy, painted for outdoor, with cable inlets holes (excluding cableglands), suitable for outdoor mounting.

SIMPLE ELECTRONIC CARD

Order code XCS-112-30-1A

Naked version to be installed in a proper enclosure by a professional user. The assembling is under the responsibility of the installer at shall be done accordingly to the applicable standards, rules and laws regarding electrical safety.