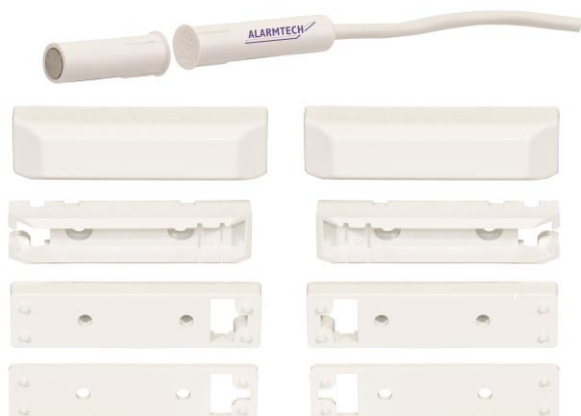




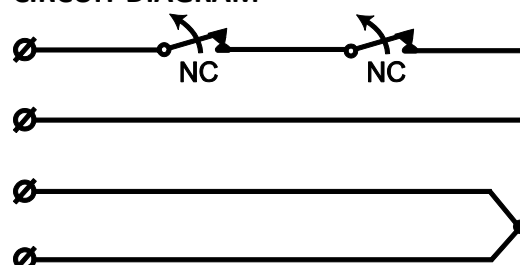
DESCRIPTION

MC 370-S3 is a versatile high security magnetic contact, in set with housing for surface mounting, used in both alarm and security access control systems for protection of doors, gates and windows against unauthorized opening and external magnetic field..

MOUNTING INSTRUCTIONS

- Contact and magnet without surface mounting housings should be installed axially, corresponding to each other, catch-bolts on the housing enable direct installation in ϕ 8 mm holes in wood.
- Contact and magnet with surface mounting housings should be installed in parallel, corresponding to each other. Offset will reduce the working distances and may result in faulty operation or lower security.

CIRCUIT DIAGRAM



OPERATING PRINCIPLE

MC 370-S3 magnetic contact has two parts: the contact part with alarm and sabotage reed switches and the magnet part. In its neutral position the alarm reed switch remains closed under the force of the magnetic field. Opening the monitored object increases the distance between the reed switch and the magnet. This reduces the influence of the magnetic field on the reed switch until it opens and activates an alarm.

MC 370-S3 has an extra sabotage reed switch to protect the contact from sabotage with an external magnet. When an external magnet is applied to the contact, the sabotage reed switch opens and activates an alarm. The sabotage switch can be also opened by the corresponding (friendly) magnet. The distance between the contact and the corresponding magnet, at which the sabotage reed switch opens is called sabotage distance.

Magnetic contacts should not be installed in the vicinity of strong magnetic fields.

TECHNICAL DATA

Contact type	form A (SPST)
Switching voltage max.	48 V DC/AC
Switching current max.	400 mA DC/peak AC
Contact rating max.	10 W
Cable	ϕ 3,4 mm, 4x0,182 mm ²
Operating temperature range	-40°C to +55°C
Operating humidity range	max. 95% r. h.
Housing material	plastic ABS
Dimensions:	
Contact part	ϕ 9 x 36 mm
Magnet part	ϕ 9 x 24,5 mm
Housing dimension (L x W x H) mm	55 x 14 x 13

INSTALLATION



Contact and magnet must be aligned axially or in parallel (in case surface mount set is used) in the frames and leaves of the monitored objects (windows, doors etc.). Offset will reduce the working distances and may result in faulty operation or lower security. The contact should be mounted in the stationary part of the monitored object (ex. door frame) and the magnet in the movable part (ex. door leaf). Before mounting, holes must be drilled. Catch-bolts on the housing enable direct installation in ϕ 8 mm holes in wood.

Twisting the contact housing counterclockwise 2-3 times before mounting will protect the cable from mechanical stress.

For sites where it is impossible to mount the contact directly, a range of accessories is available.

Only non-ferromagnetic screws may be used when mounting the contact using accessories.

For the most adequate distance for mounting, magnetic part should be placed close to the contact part to get Sabotage distance, then move away magnetic part to get minimum Make distance.

After the installation, use an ohmmeter to check the electrical connections and test the function of the magnetic contact.

Warning: applying excessive force to the housing of the contact may damage the glass body of the reed switches inside..

We reserve the right to changes without notice.