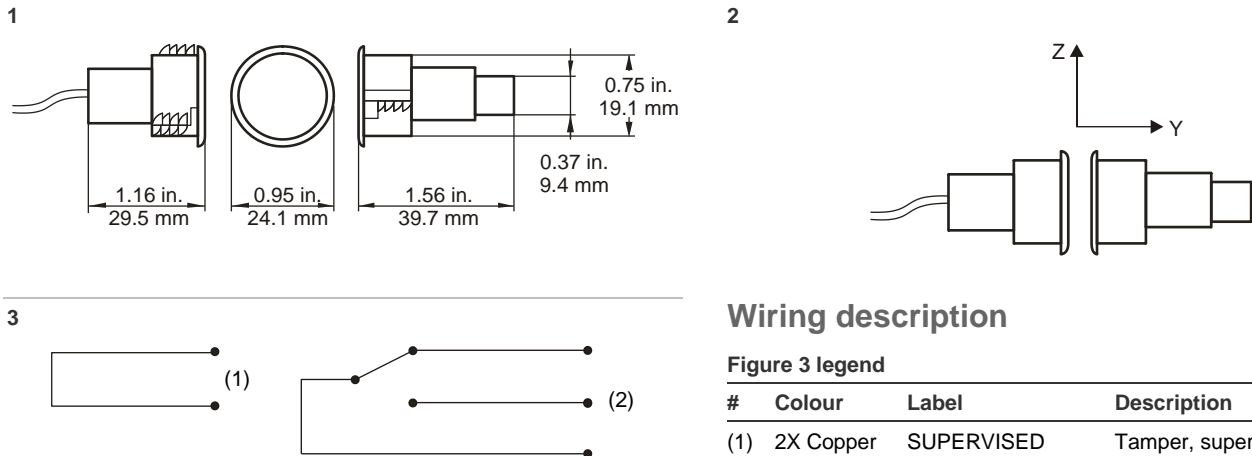# DC124 Magnetic Contact Installation Sheet

1

3

EN: Installation Sheet

Description

DC124 is a flush mounted magnetic contact that can be connected to a burglar alarm system. DC124 can be used in ferromagnetic environments and doors.

Mounting

The magnetic contact and the magnet are to be mounted directly across from each other. Select the desired mounting positions and drill appropriate holes. Mount the magnet and the contact in the holes.

During installation the switching distances have to be individually determined for each contact.

When the installation is completed, the electrical switch function of the magnetic contact must be checked (for example, with a continuity checker or multimeter). Use of mechanical force, for example when installing, can damage the glass body of the reed switches.

Note: When installing the contact, please keep in mind that the doors can bend under temperature influence.

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Wiring description

Figure 3 legend

#	Colour	Label	Description
(1)	2X Copper	SUPERVISED LOOP	Tamper, supervision line
(2)	3X Silver	CLOSED LOOP	Alarm, normally closed (NC)
		OPEN LOOP	Alarm, normally open (NO)
		—	Alarm, common (COM)

Package content

- 1X Magnetic contact
- 1X Magnet

Specifications

Cable length	2.5 m
Switch close resistance	< 2 Ω
Switch open resistance	> 10 MΩ
Mounted in ferromagnetic material	
Approach distance Y (switch close)	7 mm
Removal distance Y (switch open)	20 mm
Approach distance Z (switch close)	5 mm
Removal distance Z (switch open)	15 mm
Contact type	CO
Maximum switch voltage	50 V⎓
Maximum switch current	0.5 A
Contact dimensions	⌀24.1 x 29.5 mm
Magnet dimensions	⌀24.1 x 39.7 mm
Borehole diameter	19.1 mm
Operating temperature	−40 to +65°C EN 50131 Class II: −10 to +55°C

Note: The approach and removal distances are measured on the closed loop. For open loop distances, replace approach with removal, and removal with approach.

Regulatory information

Manufacturer	PLACED ON THE MARKET BY: Carrier Fire & Security Americas Corporation Inc. 13995 Pasteur Blvd Palm Beach Gardens, FL 33418, USA AUTHORIZED EU REPRESENTATIVE: Carrier Fire & Security B.V. Kelvinstraat 7, 6003 DH Weert, Netherlands
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