

Alarm System Installation Guidelines

Issues to consider
Contact locations
Sealing holes

Dual Action Tilt + Turn Windows
Dual Action Tilt + Turn Doors
Terrace Swing Doors
Entry Doors

Version 1.0



Contents

Contact us

Innotech Windows Canada Inc.

Head office:
31290 Wheel Avenue
Abbotsford, BC V2T 6H1
Canada

604 854 1111 Tel

604 854 1718 Fax

866 854 1122 Toll Free

innotech-windows.com

1	Alarm installation and water penetration.....	3
2	Preparing for installation	3
2.1	Alarm contact location	3
2.2	Minimum magnet-sensor gap	4
2.3	Running wires through window and door frames.....	4
3	Inward opening products.....	4
3.1	Minimum clearance between contacts.....	5
3.2	Sealing of holes	6
4	Outward opening doors	6
4.1	Minimum clearance between contacts.....	7
4.2	Sealing of holes	7

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1 Alarm installation and water penetration

WARNING!

Risk of damage to window and door products if holes are drilled incorrectly and not sealed properly.

Holes for alarm contact may only be drilled where shown on these instructions. Drilling holes in other locations may damage the products and will void the warranty.

Installing an alarm system often requires holes to be drilled into window and door frames for running wires. **If the installer does not pay close attention to where and how holes are drilled and how they are sealed, the air and water tightness of the window and door system can be compromised.**

Whenever possible, Innotech recommends wireless contacts be used to prevent accidental damage that could degrade the performance of Innotech window and door products. When the building owner determines that wired contacts must be used, these guidelines will direct the alarm installer's attention to the critical areas that need attention.

2 Preparing for installation

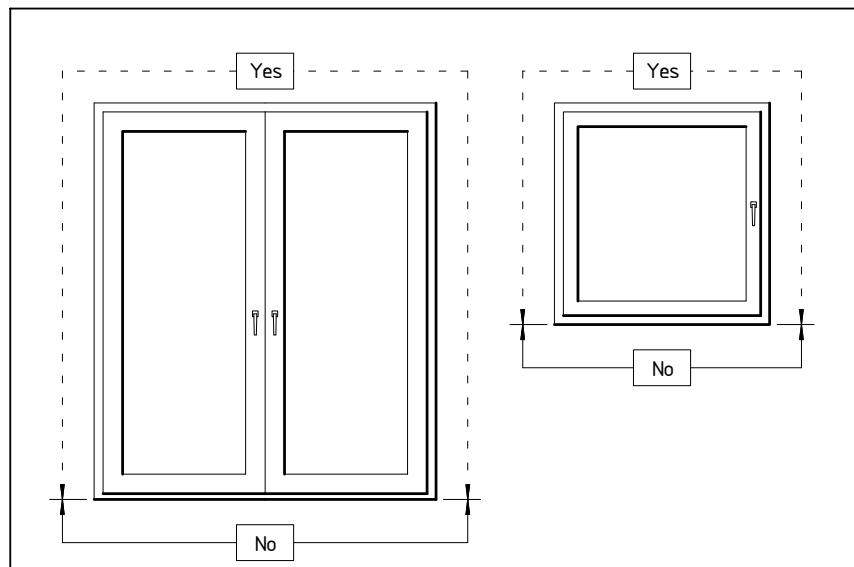
Please review this information and provide it to your alarm wiring installer before installing alarm contacts and wiring. Planning ahead can prevent costly mistakes and protect the owner's investment in these quality products.

Alarm contact installation differs between inward and outward opening products. Installation to outswing Innotech doors requires an adapter that must be provided by the alarm installer. See Figure 5 on page 6.

2.1 Alarm contact location

Alarm contacts may be located anywhere along the head (top), along the jambs (sides) of a window or door to within 8 inches of the sill (bottom), but **never at the sill**. See Figure 1.

Figure 1. Permitted alarm contact locations at head and jambs



2.2 Minimum magnet–sensor gap

Alarm sensors and magnets must be installed with a minimum 1/8" (3 mm) gap between them. Innotech operable sashes have adjustable hardware to compensate for minor building settlement and the gap is needed to allow the hardware to be adjusted later if necessary.

When using concealed magnet and sensor components, the combined total thickness of the magnet and sensor must be 1/2" (12 mm) or less to allow them to be installed with a 3 mm gap as shown in Figure 2 on page 4.

WARNING!

Holes drilled incorrectly will void the warranty.

Failure to seal holes drilled for the passage of wires can lead to water penetration in the products and in the wall cavity that is not covered by warranty.

2.3 Running wires through window and door frames

The installer is permitted to run wires inside window or door frames provided no hole is drilled through into the steel chamber of the frame.

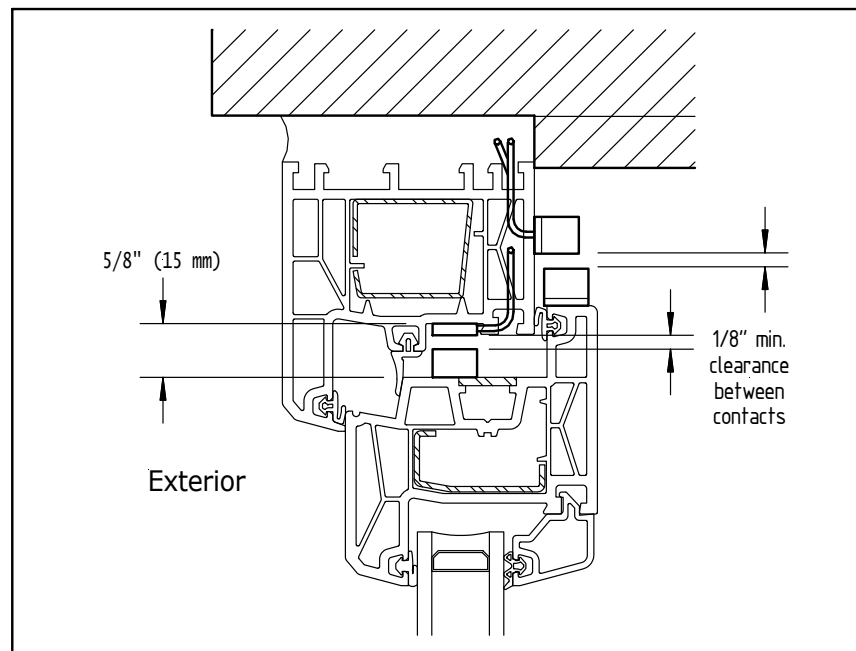
Holes may be drilled into the interior face of the frame only where shown in this document. There are separate instructions for inward and outward opening products.

All holes must be permanently sealed with a high quality sealant to prevent air flow that could lead to water leakage.

3 Inward opening products

Both surface mounted and concealed alarm sensors can be mounted to Innotech inward-opening products as shown in Figure 2. Note that concealed sensor-magnet assemblies need to fit into a 5/8" (15 mm) space with 1/8" (3 mm) clearance gap in between.

Figure 2. Contact installation at head — inward opening products



WARNING!

Risk of damage to window and door products if holes are drilled incorrectly.

Drilling holes into the steel chamber will void the warranty.

Figure 3. Permitted drilling for wires — inward opening products

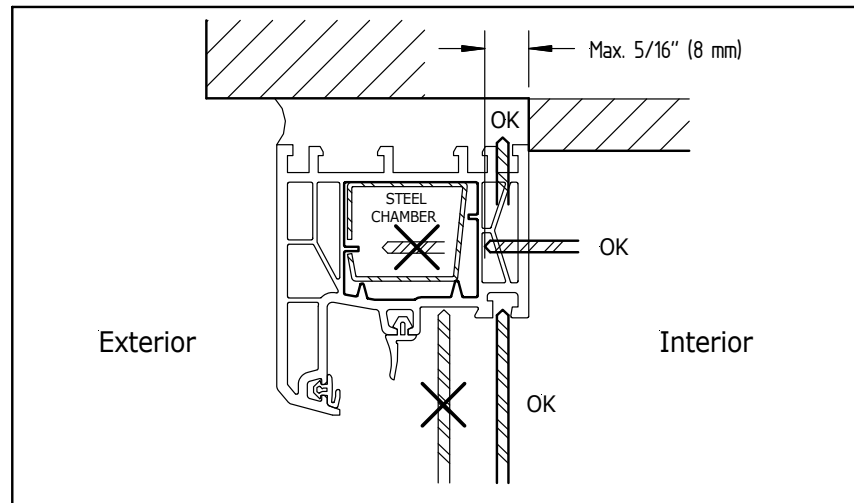
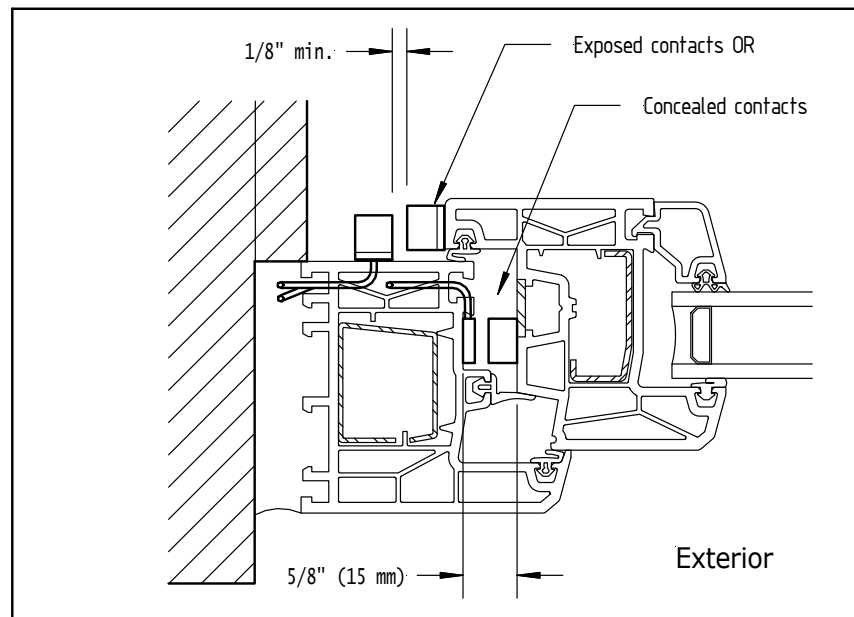


Figure 4. Contact installation at jamb — inward opening products



3.1 Minimum clearance between contacts

Alarm sensors and magnets must be installed with a minimum 1/8" (3 mm) gap between them. Innotech operable sashes have adjustable hardware to compensate for minor building settlement and the gap is needed to allow the hardware to be adjusted later if necessary.

WARNING!

Failure to seal holes drilled for the passage of wires can lead to water penetration in the products and in the wall cavity that is not covered by warranty.

WARNING!

Do not attempt to install hard-wired concealed sensors on outward opening doors.

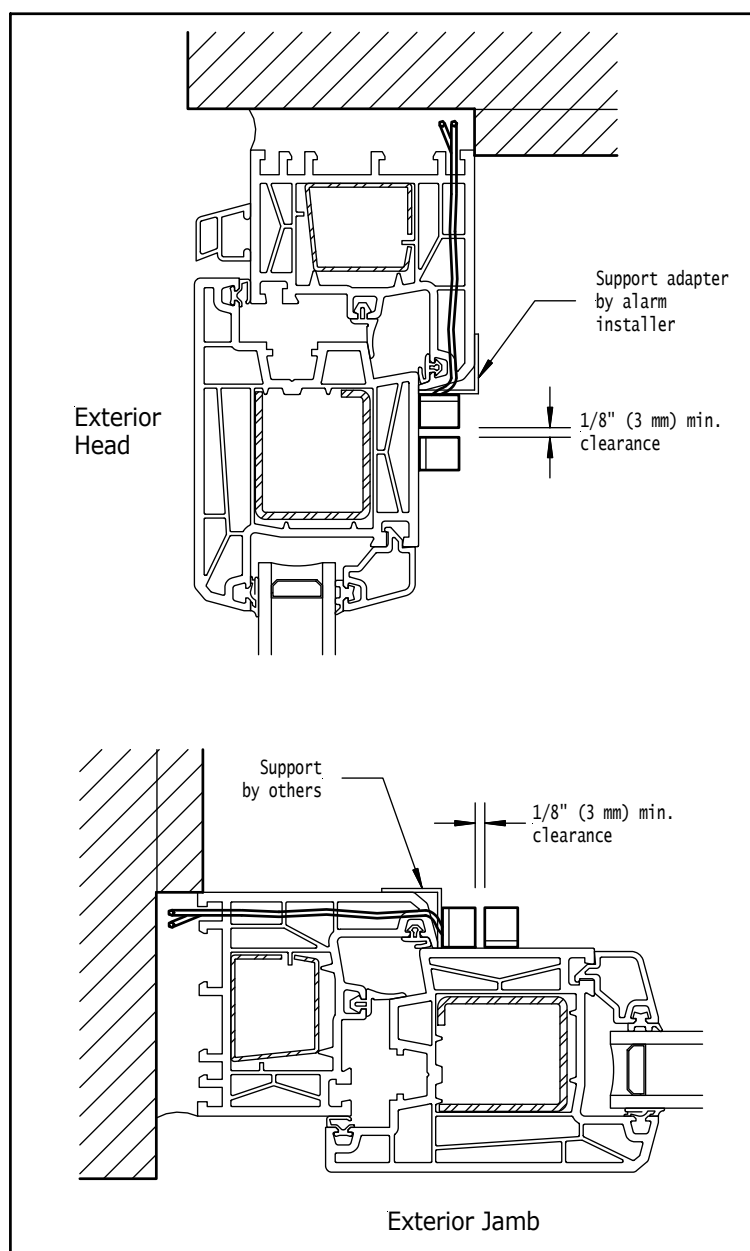
3.2 Sealing of holes

All holes must be permanently sealed with a high quality sealant to prevent air flow that could lead to water leakage into the wall cavity, into the products, or into the home.

4 Outward opening doors

Only surface mounted alarm sensors can be used with Innotech outward-opening products as shown in Figure 5. **Do not attempt to install concealed hard-wired sensors on outward opening doors.**

Figure 5. Contact installation at head & jamb — outward opening doors

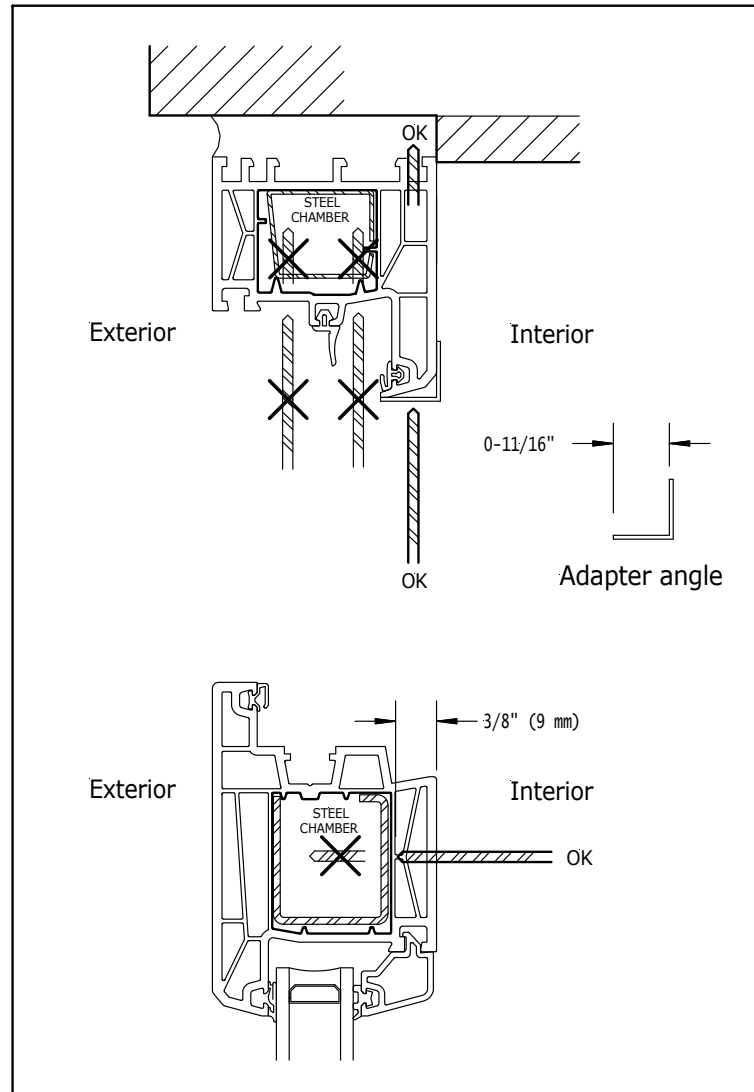


WARNING!

Risk of damage to window and door products if holes are drilled incorrectly.

Drilling holes into the steel chamber will void the warranty.

Figure 6. Permitted drilling for wires — outward opening products



4.1 Minimum clearance between contacts

Alarm sensors and magnets must be installed with a minimum 1/8" (3 mm) gap between them. Innotech operable sashes have adjustable hardware to compensate for minor building settlement and the gap is needed to allow the hardware to be adjusted later if necessary.

4.2 Sealing of holes

All holes must be permanently sealed with a high quality sealant to prevent air flow that could lead to water leakage into the wall cavity, into the products, or into the home.

WARNING!

Failure to seal holes drilled for the passage of wires can lead to water penetration in the products and in the wall cavity that is not covered by warranty.

For more information on these quality products
please contact:

Innotech Windows Canada Inc.

31290 Wheel Avenue

Abbotsford, BC V2T 6H1

Canada

www.innotech-windows.com

Toll free 866 854 1122