Alarm-Glass from Vetrotech Saint-Gobain Int. AG

24 October 2014

FIRE
PROTECT
MARINE

vetrotech SAINT-GOBAIN

# 2 types of ALARM-Glasses are available!

PROTECT with alarm wire
Wire loops (alarm wire) inserted between the glass and the interlayer set off an alarm if the wire is broken, due to the pane being damaged.
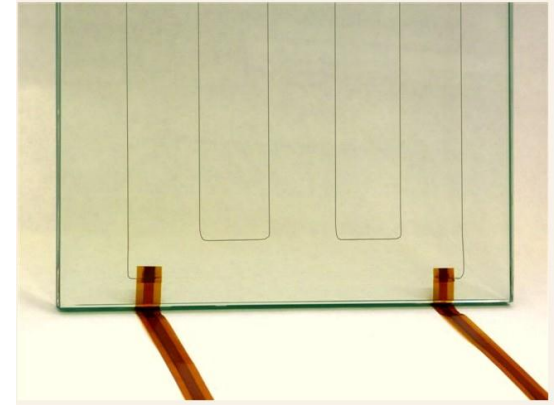
PROTECT with SECURIT® ALARM
An electrically conducting wire loop is burnt into the inside top corner of a SECURIT® pane. The loop is connected to the alarm system. If the glass is cracked, the wire is torn and an alarm is set off.

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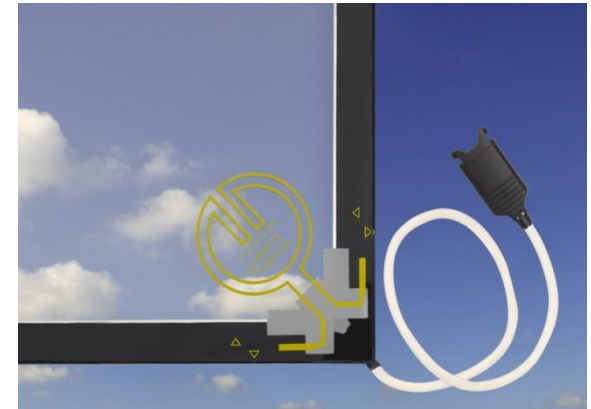
PROTECT with *alarm wire*

An electrically conducting silver wire is laid in meander fashion on the interlayer between two panes of a STADIP® PROTECT unit.

The connection resistance depends on the size of the pane.

The temperature induced resistance change is 0,004 Ω/Kelvin, which means, depending on application, the total pane resistance can fluctuate upwards and downwards by a maximum of 10% due to temperature variations!
➔ Silver wire can be replaced if needed! Check before ordering!!

The wire runs in parallel lines with a normal spacing of 35mm. However, other wire spacing are possible!

Connection is possible on the surface (ADF and on the edge (ADR)!
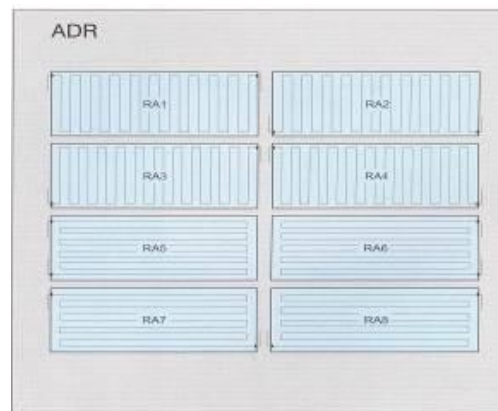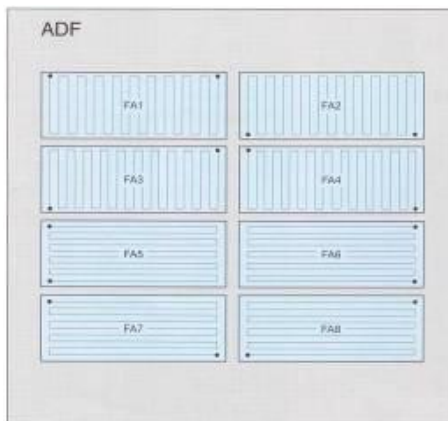
Wire insert
fine silver wire, 0,1 mm thick
resistance approx. 1,75 Ω/m
maximum current load 0,5 Amp.

PROTECT with SECURIT® ALARM

An electrically conducting wire loop is burnt into the inside top corner of a SECURIT® pane. The loop is connected to the alarm system. If the glass is cracked, the wire is torn and an alarm is set off.

The connection resistance of SECURIT® ALARM does not depend on the size of the pane. The loop resistance is between 3 and 12 ohm, according to the design, and is stated on the sticker affixed to the pane.
For the design of the alarm installation, this system has the advantage that each pane has roughly the same resistance, irrespective of the pane size. The maximum current load may not exceed 0,5 A.

Standard is a 6mm tempered glass (max. 2000x4000mm)

3 different designs available:

Glass-edge

SECURIT
ALARM ®
VdS G180030

Glass-edge

Glass-edge

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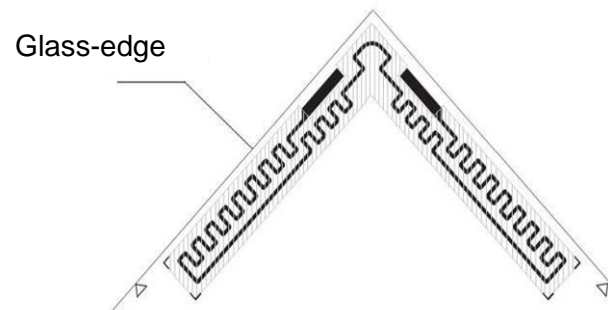SAINT-GOBAIN
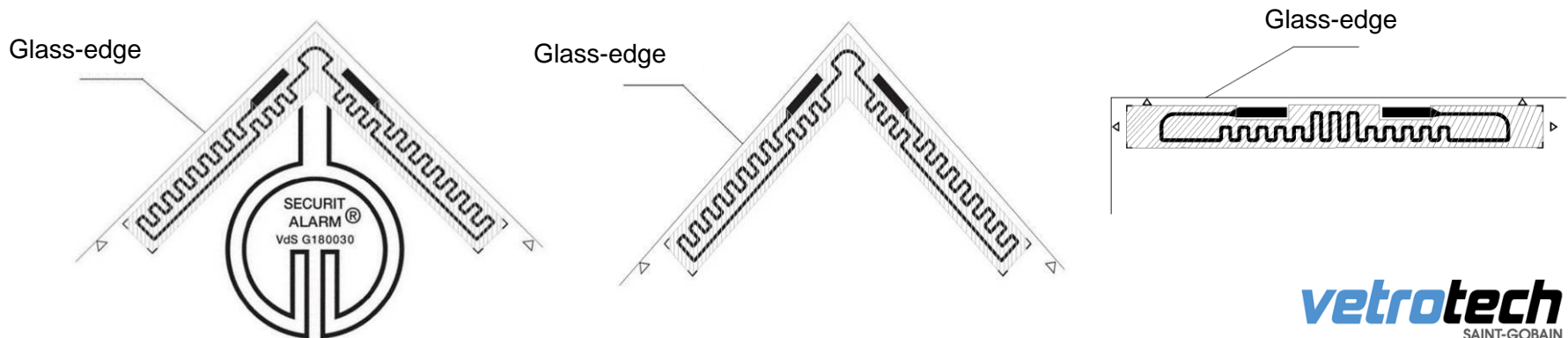
SECURIT® ALARM ASR TYP VD
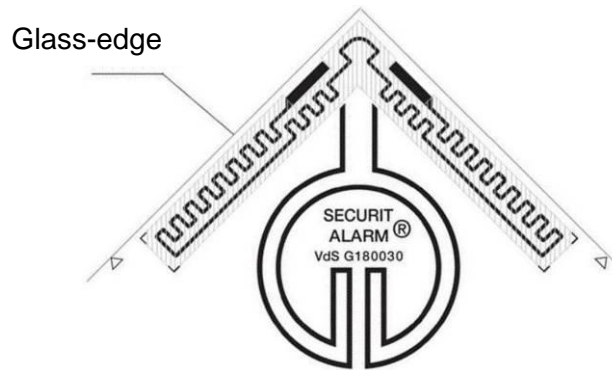
Glass-edge

Version with „DUMMY"
The circle makes the alarm-system „visible"!

Available for IGU's and laminated glass!

Usually connected on the glasse edge.
(Surface-conection avilable on request!)

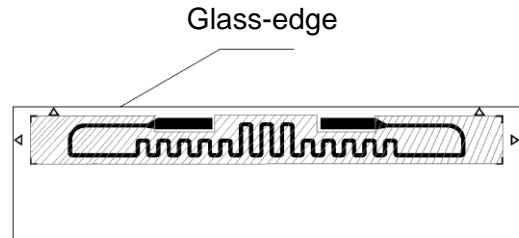**vetrotech** SAINT-GOBAIN

SECURIT® ALARM ASR TYP V

Glass-edge

Version without „DUMMY"
Alarm-system is „invisible"! It will be hiden by the frame!

Available for IGU's and laminated glass!

Connected on the glasse edge.

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SECURIT® ALARM *ASR TYP MV*

Glass-edge

Version for shapes
Alarm-system is „invisible"! It will be hiden by the frame!

Available for IGU's and laminated glass!

Connected on the glasse edge.
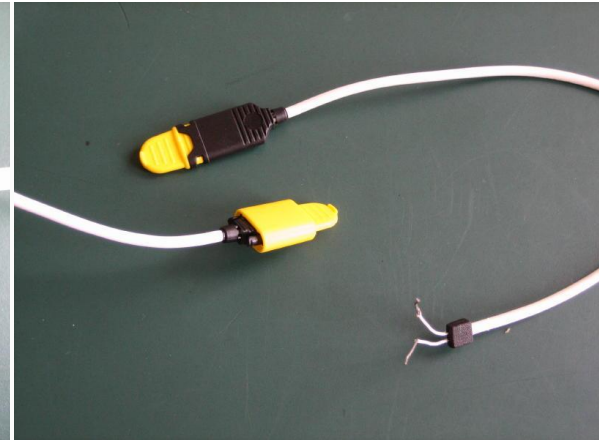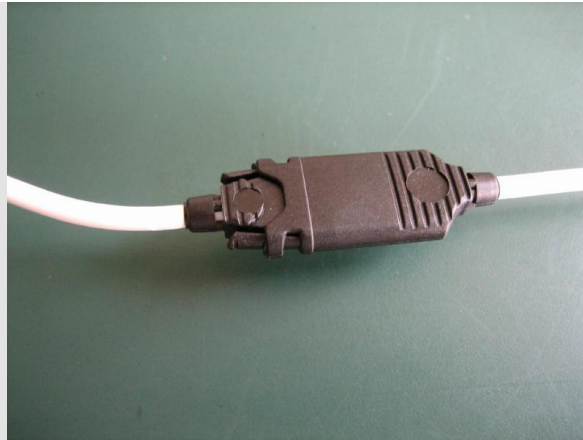
Minimum angle of the corner is 60° !

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Cable-outcome

Alarm-wire: Flat-connector:

SECURIT® ALARM

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Questions?

Many thanks for your attention!

Our ballistic testing laboratory - Porz (Cologne, Germany)

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Cable-outcome

SECURIT® ALARM – details cable

To the glass

Connector 15mm x 35mm, 5mm thick

Connector 15mm x 25mm, 5mm thick

Diameter of cable 4mm

Connection to alarm-system

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