

# Capteur de Fenêtres-Feuillures

## Sensors for window frames

# PW . . . . .



- Capteur de proximité magnétique à ampoule REED :  
Ouvert, Fermé, inverseur, boucle de sécurité.
- Développé pour détection de l'état de la fenêtre : Ouverte / Fermée  
clip compris dans la référence PW
- Magnetic proximity sensor with REED switch  
Normally Open (NO), Normally Closed (NC), Change-over contact, Safety current loop.
- Developed to detect position of the window : Open / Closed.

### Dimensions

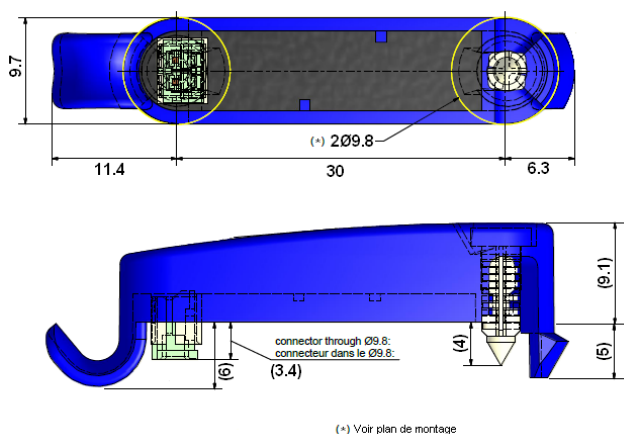
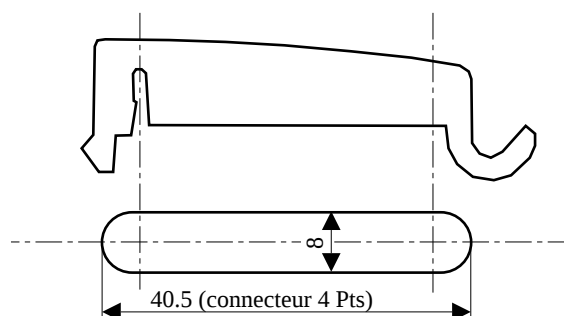
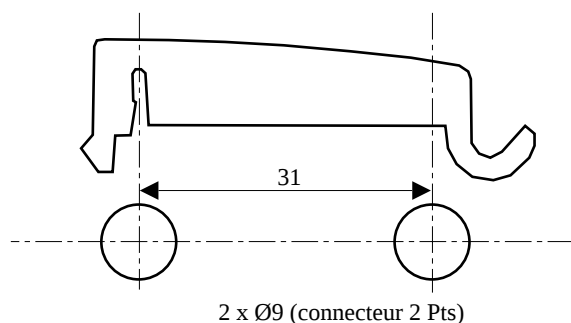


fig. 1

### Caractéristiques / Specifications

|                                                           | PWA                | PWB/PWC           |
|-----------------------------------------------------------|--------------------|-------------------|
| Puissance maximum commutable / Max switching power        | 10 VA              | 3 VA              |
| Courant maximum commutable / Max switching current        | 0,4 A              | 0,25 A            |
| Tension maximale commutable / Max switching voltage       | 100 Vdc            | 100 Vdc           |
| Tension de tenue / Dielectric strength                    | 250 Vdc            | 150 Vdc           |
| Courant passant maximum / Maximum carried current         | 1 A                | 0,5 A             |
| Résistance de contact Reed / Reed Contact resistance only | 150 mΩ             | 150 mΩ            |
| Résistance d'isolement / Insulation resistance            | 10 <sup>12</sup> Ω | 10 <sup>9</sup> Ω |
| Température de fonctionnement / Operating Temperature     | -40 / +70 °C       |                   |
| Dimensions / Dimensions                                   | fig. 1             |                   |
| Distances de détection / Operating distances              | fig. 2             |                   |
| Matériau du boîtier / Housing material                    | PA6                |                   |

### Plans de perçage - épaisseur de 1 à 2 mm / Drilling plan - thickness of 1 to 2 mm



Partie capteur sur le dormant de la fenêtre - Partie Aimant sur l'ouvrant. /  
Sensor mounted on the fixed part and magnet on the moving part.

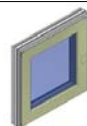
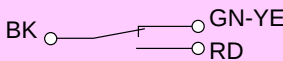
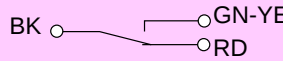
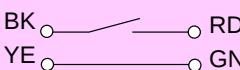
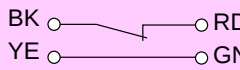
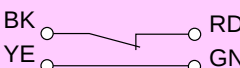
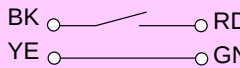
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All technical characteristics are subject to change without previous notice.  
Caractéristiques sujettes à modifications sans préavis.

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**Fonctions / Functions :**

| Fonctions / <i>Functions</i> : |                                                                                                                                       | Etat fenêtre / <i>Window status.</i>                                               |                                                                                     |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                |                                                                                                                                       |   |  |
|                                |                                                                                                                                       | Etat des contacts / <i>Contact(s) status.</i>                                      |                                                                                     |
| Réf.capteur<br>Sensor Ref.     | Nature du contact /<br><i>Type of contact.</i>                                                                                        |                                                                                    |                                                                                     |
| PWA01500                       | NO (contact ouvert en absence d'aimant)<br><i>NO (contact is open if no magnet)</i>                                                   |   |  |
| PWB01500                       | NF (contact fermé en absence d'aimant)<br><i>NC (contact is closed if no magnet)</i>                                                  |   |  |
| PWC01500                       | Inverseur (Contact NO+ Contact NF)<br><i>Change-over (1 NO+1NC contacts)</i>                                                          |  |  |
| PWA11500                       | • NO (contact ouvert en absence d'aimant)<br><i>NO (contact is open if no magnet)</i><br>• Boucle de sécurité ( <i>safety loop</i> )  |  |  |
| PWB11500                       | • NF (contact fermé en absence d'aimant)<br><i>NC (contact is closed if no magnet)</i><br>• Boucle de sécurité ( <i>safety loop</i> ) |  |  |

RD = Red / Rouge.  
BK = Black / Noir.  
YE = Yellow / Jaune.  
GN = Green / Vert.

**Accessoires / Accessories:**

| Référence       | Désignation / Designation :                                 |                                                                 |
|-----------------|-------------------------------------------------------------|-----------------------------------------------------------------|
| <b>UZ189538</b> | Aimant Ferrite (à coller) / Magnet Ferrite (to be glued)    | Lg 18mm x lg 9.5mm ép. 3.8mm                                    |
| <b>UR124540</b> | Aimant NdFeB (à visser) / Magnet NdFeB (to be screwed)      | Ø12 - trou(hole)4,5 - ép/thickness 4mm                          |
| <b>PW520000</b> | Aimant boîtier PW (à clipser) / Magnet PW (to be clipped)   | Ø5 Lg 20mm-NdFeB                                                |
| <b>2YB20030</b> | Câble / cable: 2x0.22 <sup>2</sup> Lg 3m + connecteur PHR2  |                                                                 |
| <b>2YB20050</b> | Câble / cable: 2x0.22 <sup>2</sup> Lg 5m + connecteur PHR2  | Uniquement pour connecteur 2 pts.<br>Only for 2 pins connector. |
| <b>2YB20100</b> | Câble / cable: 2x0.22 <sup>2</sup> Lg 10m + connecteur PHR2 |                                                                 |
| <b>2YB40080</b> | Câble / cable: 4x0.22 <sup>2</sup> Lg 8m + connecteur PHR4  | Uniquement pour connecteur 4 pts.<br>Only for 4 pins connector. |
| <b>1LM00100</b> | Sachet Clips de Verrouillage / Bag locking clips (16pcs)    | Clip Lg 11mm                                                    |

**Type de fenêtres / Kind of windows:**

• Fenêtre à la française  
(French window)



• à soufflet  
(Hopper window)



• coulissante  
(Sliding window)



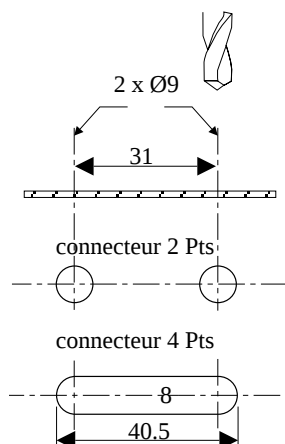
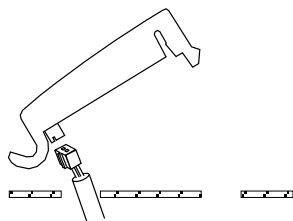
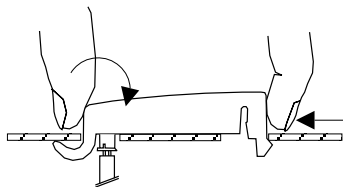
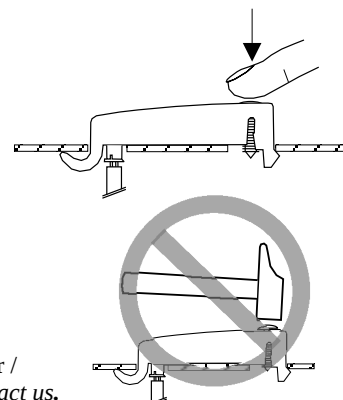
• à l'italienne  
(awning window)



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**Principe de Montage / Steps for mounting :**① Perçage /  
Drilling② Raccordement /  
Connecting③ Mise en place du capteur/  
Positioning sensor.④ Mise en Place et Verrouillage/  
Positioning & Locking for clip

Adaptées aux fenêtres aluminium, plastique, et bois - acier, nous consulter /  
Adapted for windows in aluminium, plastic, and wood - Steel, please contact us.

**Distances de fonctionnement / Activation distances :**

**PW520000 (à clipser)**  
(to be clipped)

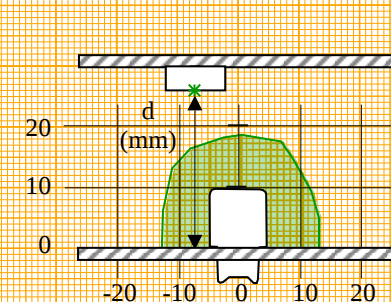
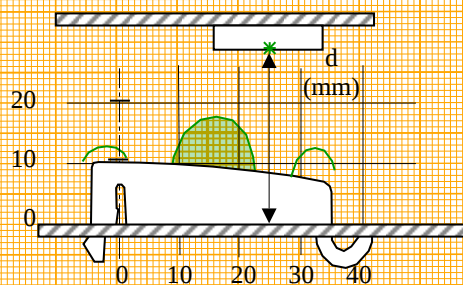
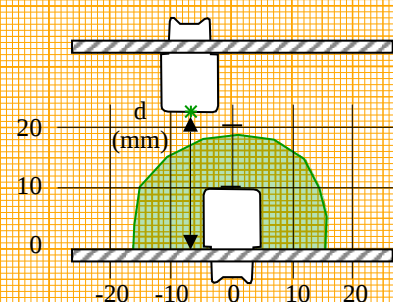
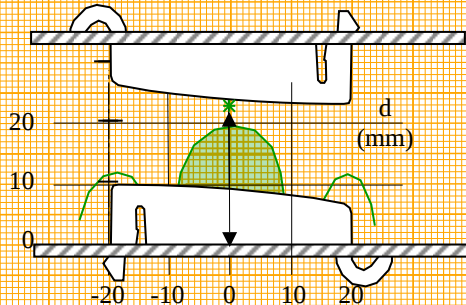


**UZ189538 (à coller)**  
(to be glued)



Zone garantie pour laquelle le capteur a changé d'état.  
Guaranteed zone for which the sensor changed state.

\* Dès que ce repère entre dans la zone "verte" le capteur change d'état.  
\* As soon as this marker is inside green zone the sensor changed state.



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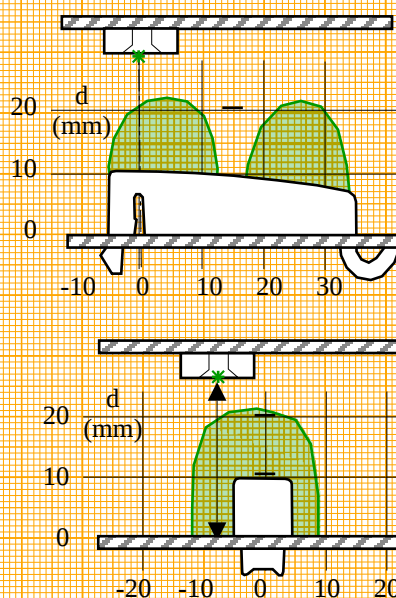
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**Distances de fonctionnement / Activation distances :**

**UR124540 (à visser)**  
(to be screwed)



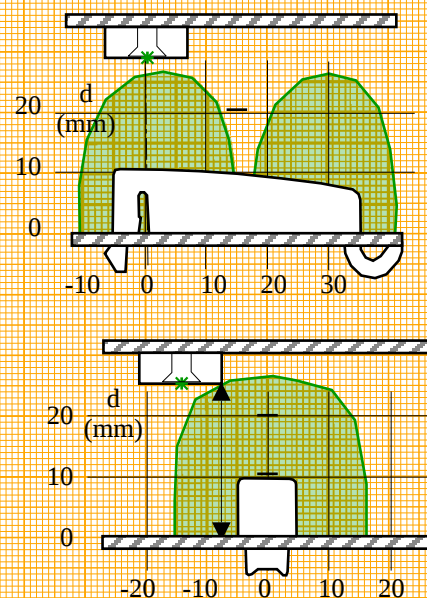
Vis/Screw M4 max



**UR144360 (à visser)**  
(to be screwed)



Vis/Screw M4 max



**UR102540 (à visser)**  
(to be screwed)



vis Ø 2.5 max

