

## Environnement / Environment

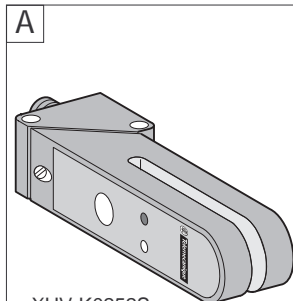
Température ambiante / Ambient temperature	Operation / Operation	-20...60°C / -4...140°F
	Stockage / Storage	-20...70°C / -4...158°F
Tenue aux vibrations / Vibration resistance	7g (F : 10...50Hz) (IEC 68-2-6)	
Tenue aux chocs / Shock resistance	30g ; 3 axes ; 3 fois 30g ; 3 axes ; 3 times	
Degré de protection / Degree of protection	IP 65 (IEC 529)	
Matériaux / Materials	Boîtier / Enclosure : zamac Lentilles / Lenses: verre / glass	

## Caractéristiques électriques / Electrical characteristics

Type de détecteur / Type de détecteur	DC, 3 fils, statique DC, 3 wire type, transistor	
Limites de tension / Voltage limits	10...30 V DC	
Courant commuté / Switching capacity	100 mA	
Tirage interne des sorties / Pull-up/Pull-down resistors	10 k	
Courant consommé sans charge / Current consumption no-load	55 mA	
Retards / Delays	à l'action / response	20 µs
	au relâchement / recovery	20 µs
	à la disponibilité / power up	270 ms
Fréquence maxi de commutation / Maximum switching frequency	25 kHz	

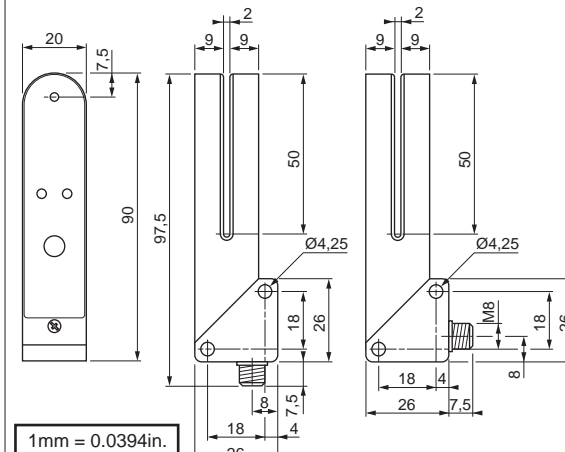
## Mise en œuvre / Setting up procedure

Ouverture de fourche / Slot width	2 mm	
Largeur mini détectable / Min. width detectable	0,5 mm	
Etat de la sortie / Output State	Pas d'étiquette dans le faisceau / No label present in the beam	Etiquette dans le faisceau / Label present in the beam
Fonction claire / Light-on switching		
Fonction sombre / Dark-on switching		
La DEL jaune s'allume quand la sortie du détecteur est activée / Yellow LED illuminated when detector output is on		
	Off / éteinte	
	On / Allumée	



XUV-K0252S

## Encombres / Dimensions



## en Optical fork for label detection

### A - MOUNTING -

Fixing	Direct
Horizontal	Ø 4 + standard nuts
Front or bottom	2 x M4 x 8

### B - CONNECTIONS -

Before making any connections, check that the detector is compatible with the supply (AC or DC) and that the rated voltage indicated on the detector label is adhered to. Also, check the load current characteristics.

Extension cables :

2 m, straight connector	: XZC-P0941L2
2 m, elbowed connector	: XZC-P1041L2
5 m, straight connector	: XZC-P0941L5
5 m, elbowed connector	: XZC-P1041L5

### C - SETTING-UP -

The red/green transmission beam detector XUV-K0252VS is particularly suited for the detection of colored marks. The infra-red transmission beam detector XUV-K0252S is for general purpose applications (label detection). The detector is supplied with the connector perpendicular to the fork slot. To reposition the connector along the slot axis, loosen the locking screw, rotate the connector assembly through 90° and re-tighten the screw.

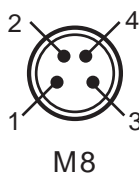
### D - PROGRAMMING -

"Self-teaching" setting procedure.  
 - Green LED ② illuminates when detector is powered up.  
 - For a dark-on switching, place the label to be detected in the beam of the optical fork. Press the SET button and hold down until the green LED goes out.  
 - After a few seconds, the green LED flashes: the detector has "learned" the label.  
 - Place the item to which the label is affixed in the beam of the optical fork. Press the SET button and hold down until the green LED goes out.  
 - After a few seconds the green LED illuminates as a steady light, indicating that the setting is complete and the detector is ready for operation.  
 - For a light-on switching, start the self-teaching procedure on the item to which the label is affixed, then end the procedure on the label.

### E - FAULT SIGNALING -

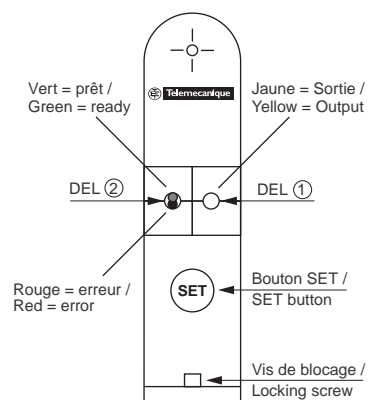
- Flashing green/red : the contrast between the label and the item to which it is affixed is insufficient. Repeat programming procedure.  
 - Flashing red : output short-circuit.

## B Branchement / Wiring

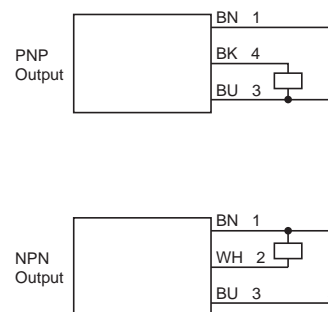


Signal / Signal	Broche / Pin	Couleur / Color
-	3	Bleu / Blue
+	1	Brun / Brown
PNP sortie / Output	4	Noir / Black
NPN sortie / Output	2	Blanc / White

## D Programmation / Programming



## Schéma de câblage / Wiring Diagram



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