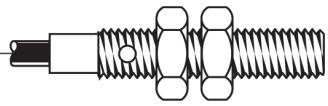
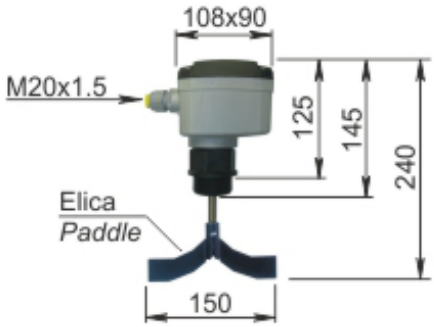
MORE THAN SENSORS



## Part number: YRL000006 - Model: RL-A 24Vdc




Dimension in mm

| TECHNICAL CHARACTERISTICS | |
|---|---|
| Power supply: | Direct current |
| Working voltage: | 24 Vdc |
| Function: | Changeover relay |
| Housing material: | Grey plastic PA6 |
| Sensitivity: | adjustable to 3 positions |
| Absorption: | 2,5 W |
| Max. output current: | 2A @ 300Vdc / 2A @ 250Vac |
| Process temperature: | -20 ÷ +80 °C |
| Ambient temperature: | -20 ÷ +60 °C |
| IP rating: | IP 6X |
| Max. tank pressure: | -0.2 ÷ +0.1 bar |
| Threaded fixing: | 1 1/2 inch GAS - PA6 GF30 black plastic |
| Rotation speed paddle: | 1 RPM |
| Weight: | 700 g |
| Explosive atmosphere type: | Air-Dust Mixture |
| Equipment category: | 1/2D |
| Installation area: | Zone 21 and Zone 22 |
| Protection method: | Enclosure ' t ' |
| Marking: | II 1/2D Ex t IIIC T120°C Da/Db IP6X |
| Conforming standard: | EN60079-0 e EN60079-31 |
| EC-tipe examination certificate - ATEX: | BVS 06 ATEX E 044 |

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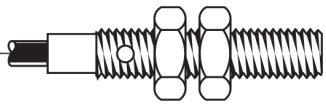
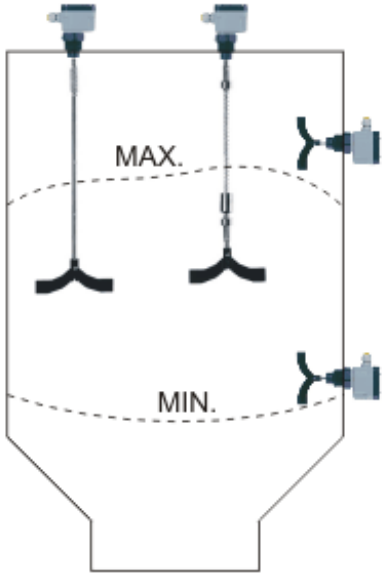
MORE THAN SENSORS



## Part number: YRL000006 - Model: RL-A 24Vdc

## WIRING DIAGRAM

### NORME DI INSTALLAZIONE / *Instructions for installation*

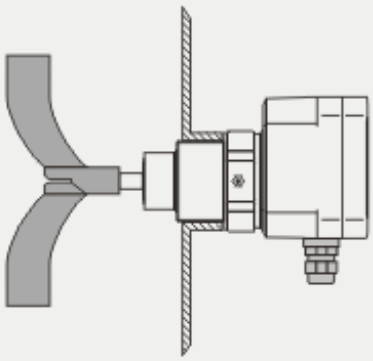



L'apparecchio viene applicato sulla parete esterna del contenitore lateralmente o dall'alto, mediante attacco filettato 1 ½" GAS.
Il materiale deve potersi muovere liberamente attorno all'elica che non deve essere investita dal getto diretto del materiale. Per evitare questo inconveniente predisporre eventuali deflettori di protezione sopra il segnalatore quando il peso sull'elica e relativo albero è elevato (materiale ad alto peso specifico o soggetto a movimenti in blocco).

*The unit is placed on the external wall of the container mounted it by means of a standard fixing 1 ½"GAS.*
*The material must be able to move freely around the paddle and this must not be installed in the jet of material.*
*In order to avoid this it may be necessary to install deflectors above the unit when the mass of the material is high.*

## INSTRUCTIONS FOR CORRECT INSTALLATION

### CONSIGLI PER IL MONTAGGIO / *Suggestion for mounting*



**A** : Fissare la vite dopo aver effettuato la procedura B.
*Fix the screw after procedure B.*

**B** : Montaggio corretto. Il pressacavo deve essere rivolto verso il basso.
*For a correct mounting the cable gland must be facing downwards.*

**C** : Per facilitare l' entrata dell' elica nel foro di fissaggio tagliare un' aletta.
*To facilitate entrance of paddle in the fixing hole pls. cut a paddle.*

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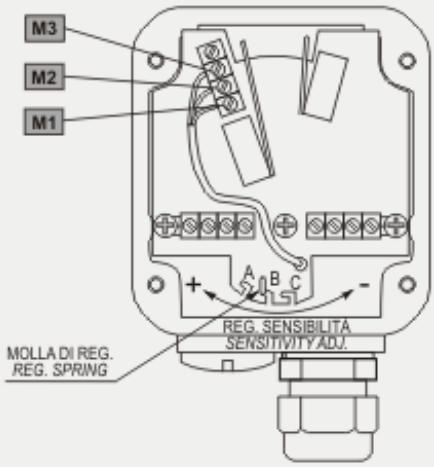
## ISTRUZIONI PER L'USO / Operating instruction




| ALIMENTAZIONE *Supply voltage* | M1 | M2 | M3 |
|---|---|---|---|
| 24 Vdc | rosso / *red* | marrone / *brown* | blu / *blue* |
| 24 Vac (*) | rosso / *red* | marrone / *brown* | blu / *blue* |
| 48 Vac | rosso / *red* | blu / *blue* | marrone / *brown* |
| 110 Vac (*) | rosso / *red* | marrone / *brown* | blu / *blue* |
| 220 Vac | rosso / *red* | blu / *blue* | marrone / *brown* |

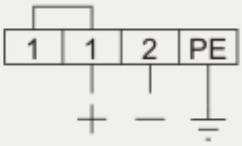
(*) Collegamenti pre-impostati / *Pre-set connection*

La molla di regolazione della forza di rotazione è regolabile in 3 posizioni :
*The power rotation regulation spring can be adjusted as follows :*

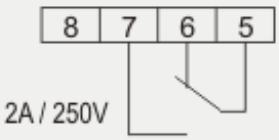
**A** = debole / *weak*
**B** = media / *average*
**C** = dura / *hard*

## SCHEMI DI COLLEGAMENTO / *WIRING DIAGRAMS*

**TENSIONE DI ALIMENTAZIONE C.C.**
***SUPPLY VOLTAGE D.C.***




**CONTATTO DI USCITA**
***OUTPUT CONTACT***




**N.B. :** Il contatto è rappresentato con apparecchiatura sotto tensione ed elica in movimento
*The contact is ON when the device is under tension and the paddle moving*

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