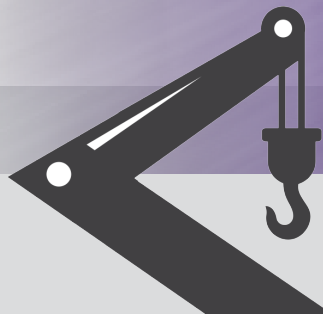
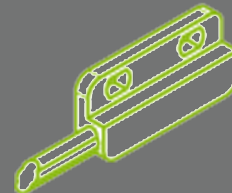


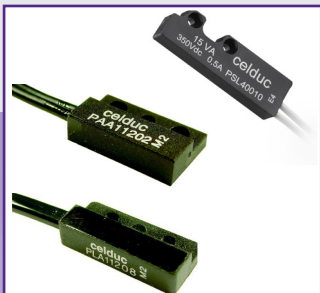


MAGNETIC SENSORS FOR LIFTING EQUIPMENT



www.celduc-relais.com





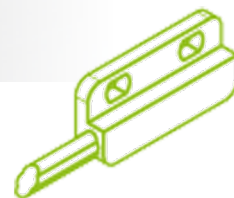
- Screw mounted position sensors



- Tubular position sensors



- Control magnets



PRODUCTS MADE IN FRANCE
FOR MORE THAN 50 YEARS !





OUR STRENGTHS



MORE THAN 50 YEARS OF MARKET EXPERIENCE WITH HIGH QUALITY PRODUCTION IN FRANCE.



CONTROL OF THE COMPLETE MANUFACTURING CYCLE
design, development, production, testing and marketing.



ANALYSIS OF CUSTOMER REQUIREMENTS

celduc® relais is the indisputable global expert and preferred choice of companies all over the world.



A WORLDWIDE PRESENCE IN MORE THAN 60 COUNTRIES
provides us a better understanding of customer needs which leads to solutions that fully meet your requirements.



CONSTANT PRODUCT DEVELOPMENT

our experienced R&D engineers work on expanding our product offering by 10-15% per year.



IN COMPLIANCE WITH THE MAJOR INTERNATIONAL STANDARDS

our products are designed, tested and manufactured in accordance with the strictest international standards.

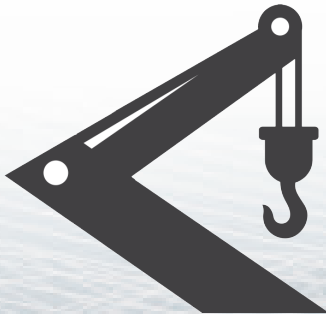
CUSTOMER REQUIREMENTS

Lifting equipment is **one of the most challenging outdoor applications** for sensors as any device installed on a platform is subject to extreme conditions such as :

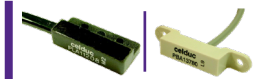
- High level of shock and vibration
- Harsh environment : extreme temperature ranges for storage and operation, humidity, dust, ...
- Ferromagnetic environment

Applications that require **reliable and accurate detection** by magnetic proximity sensors must use components that meet the **highest quality standards** to guarantee safe operation.

3



celduc[®] relais SOLUTIONS



Screw mounted position magnetic sensors



Tubular position magnetic sensors



Control Magnets



PRODUCTS MADE IN FRANCE
FOR MORE THAN 50 YEARS !

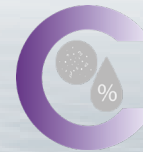
Why use Magnetic Proximity Sensors in your equipment ?



- No power supply needed



- Accurate and reliable activation distance



- Operate in harsh environments (humidity, dust)

POSITION SENSORS

LOOKING FOR POSITION DETECTION

CONSULT OUR RANGE OF MAGNETIC PROXIMITY SENSORS USING REED SWITCHES, A DRY CONTACT IN A SEALED GLASS BULB.

5



Possible contact type:

- NO / FORM A → Normaly Open
- NC / FORM B → Normaly Closed
- BISTABLE NO / FORM L
- CHANGE-OVER / FORM C



SCREW MOUNTED POSITION SENSORS

								
Range	PAA	PAB	PLA	PLB	PLC	PB367	PB390 / PBA	

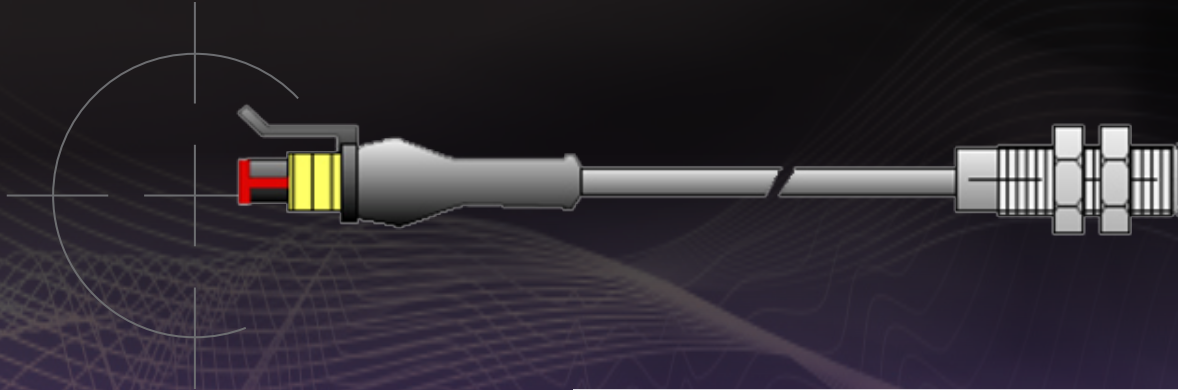
TUBULAR POSITION SENSORS

							
Range	PTA	PTB	PTC	PTI4	PTI5	PTI6	PTI7

The solutions displayed in this brochure should not be considered as comprehensive, please visit www.celduc-relais.com for our full product range.

celduc®

■ CUSTOMER SPECIFIC PRODUCTS



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MORE THAN 50% OF OUR SENSORS ARE MANUFACTURED TO CUSTOMER SPECIFICATIONS : WE CAN ADAPT OUR PRODUCTS TO YOUR APPLICATIONS.

TELL US ABOUT YOUR PROJECT AND WE'LL PROVIDE THE SOLUTIONS

OUR INNOVATION = YOUR ADVANTAGES



Our skilled and innovative R&D department will work with you to assess and determine your specific needs and the feasibility of your project. Working closely with you, they will oversee the development of the product that best fits your needs, manage the progress of the project and ensure resources are being properly assigned.

- Highest quality resulting from **years of experience** and an **in-house engineering design office** which streamlines the development cycle
- **Local staff** : proximity and responsiveness
- Development of **customer specific designs**
- **Large volume production**
- Tight **control of the complete production cycle** has several benefits for celduc® and its customers : Independence, Flexibility, Cost, Quality and Leadtime Management.
- Proximity to customers via our **global presence** and **worldwide distribution**



CUSTOMER CASE STUDIES

Scissor lift platforms

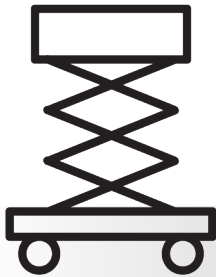
Sensors are used for detecting equipment position

Customer needs :

-Sensors are required for mobile equipment used on both **indoors and outdoors**.

-**Custom design connector**

-Our design takes into account the **different detection zones required** due to the extension of the arms (the cylinder piston may stop in a different position from one machine to the next)



CUSTOMER CASE STUDIES

Mobile cranes

Sensors are used for detecting position/presence :

- to confirm the position of the telescopic boom*
- to ensure the rear door is locked and secured*
- to monitor the position of the operator's cab and the position of the outriggers : extended or retracted*



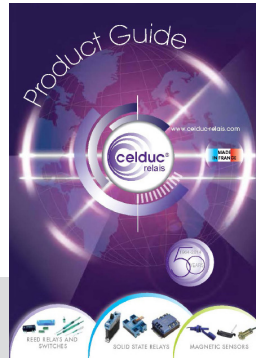
10



Customer needs :

-Reliability : a typical environment for this application includes dirt, sand, dust, debris, oils, and salt . These challenges would cause a typical sensor to frequently fail.

WOULD YOU LIKE TO
KNOW MORE ? www.celduc-relais.com



Product Guide



All our technical datasheets are available on
our website :

www.e-catalogue.celduc-relais.com

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