

Inductive proximity switch

proxi-captor 2400.xx / 2500.xx



The analogue proxi-captor 2400.xx / 2500.xx is an inductive proximity switch in a remote system, which can be combined with a separate coil of the type 28xx for different applications to the customer specifications.

It is recommended for use in harsh environmental conditions as found in heavy industry and especially in the steel industry.

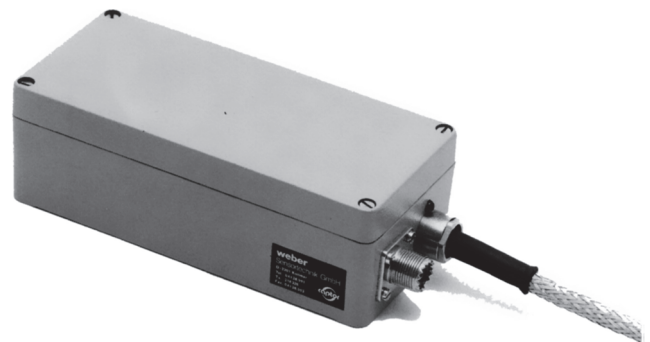
The model 2400.xx is adjustable.

The model 2500.xx is self-adjusting.

The self-adjusting property of this system assures constant oscillation under all working conditions, thus the units adjust themselves to their environment automatically whilst keeping their operating condition constant with changing temperatures.

For applications which require an adjustable switching range, the proxi-captor type 2400.xx has been constructed to allow adjustment by means of a potentiometer.

- remote inductive proximity switch
- self-adjusting or manually adjustable
- robust due to full casting resin encapsulation
- no moving parts
- rugged aluminium housing
- **ISO 9001:2015**



Customized coils
of the series 28-- for
a large variety of applications

Technical Data

Type	2400.xx	2500.xx
Construction	remote electronic unit	
Housing material	Aluminium	
Switching distance	adjustable	self-adjusting
Nominal switching distance (s _n)	related to type of remote coil	
Hysteresis	approx. 10 %	
Ambient temperature	-10° C to + 65° C	
Protection standard	IP 65	
Function indicator logic	x.52 x.53 / x.14 / x.15	LED on when inactivated LED on when activated
Mass	approx. 1.5 kg	

Electrical Data

	AC		DC	
Type	.52	.53	.14	.15
Output	n.c.	n.o.	PNP n.o./NPN n.c.	PNP n.c./NPN n.o.
Supply voltage*	115 VAC ± 15 %, 50 - 60 Hz 230 VAC ±15%, 50 - 60Hz other voltages on request		24 VDC ±15 %	
Current consumption unactivated	approx. 10 mA at 230 VAC		approx. 18 mA	
Voltage drop	approx. 10V		2,5 V at 400mA	
Trip point for overload protection	approx. 500 mA		approx. 550 mA	
Switching current	max. 300 mA, min. 20 mA		max. 400 mA	

* Supply voltage must be specified

weber

Sensors GmbH Stroheide 32
Sensors Ltd. 66 Eastbourne Road, Southport
Sensors LLC. 4462 Bretton Court, Building 1, Suite 7

DE-25377 Kollmar, Germany Tel.: +49 (0)4128 - 591· Fax: - 593
Merseyside PR8 4DU, UK Tel.: +44 (1704) - 551684 · Fax: - 551297
Acworth, Georgia 30101, USA Tel.: +1 (770) 592 - 6630 · Fax: - 592 6640

www.captor.de
info@captor.de
sales@captor.co.uk
sales@captor.com

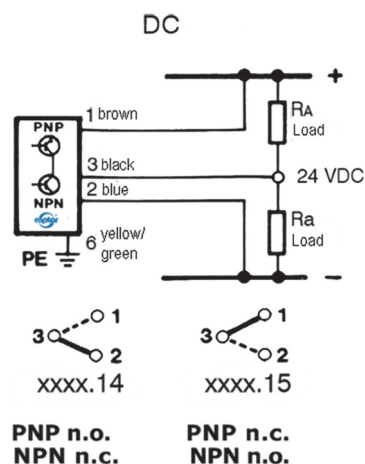
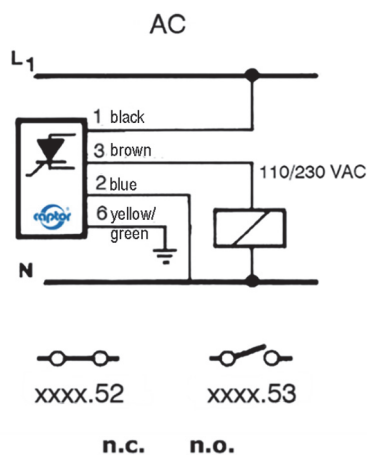
Technical data subject to alteration! Rev. AD 14.06.23

Inductive proximity switch

proxi-captor 2400.xx / 2500.xx



Connection diagram

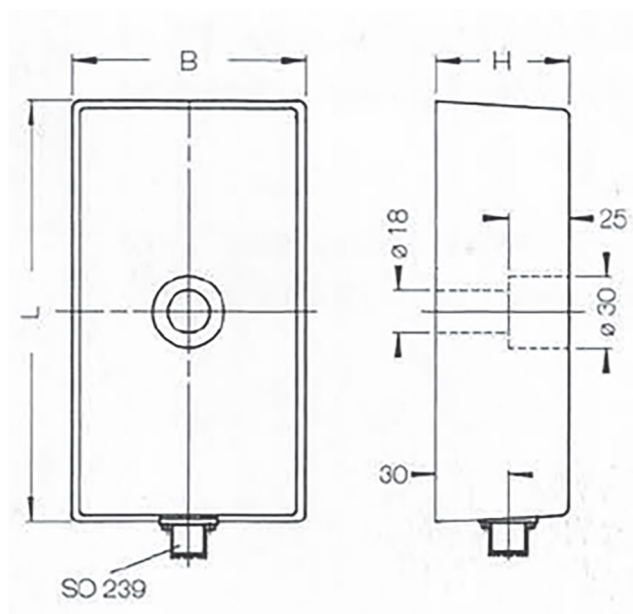
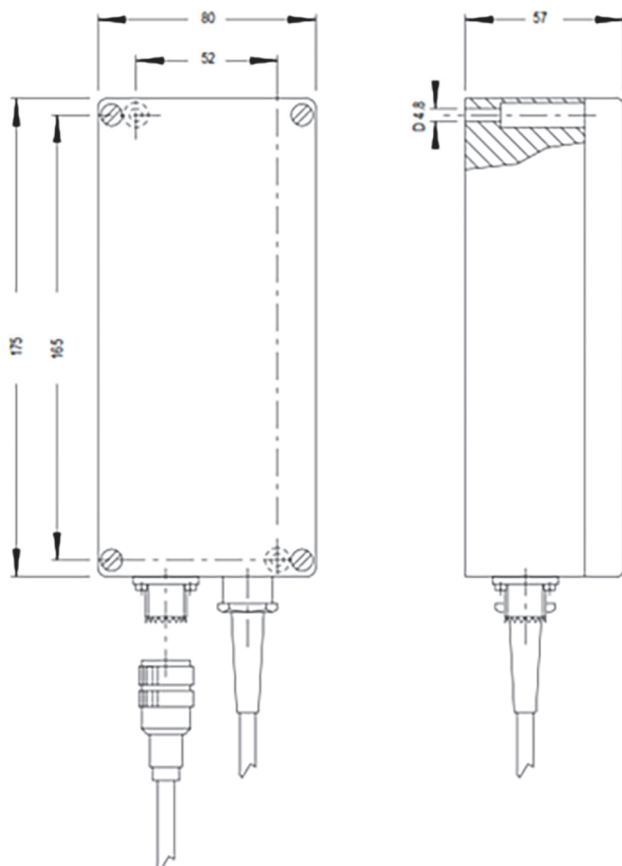


Dimensions (mm):

Remote electronics
Type 2400.xx
Type 2500.xx
175 X 80 X 57 (L x W x D)

Sample for standard remote coils:

Type 2801
176 X 98 X 55 (L x W x D), Sn= 100



Connection remote electronics / coil:
2 m coaxial cable, RG 213, with 2 plugs, PL 259
(standard version, other types and length on request).

weber

Sensors GmbH Strohdeich 32
Sensors Ltd. 66 Eastbourne Road, Southport
Sensors LLC. 4462 Bretton Court, Building 1, Suite 7

DE-25377 Kollmar, Germany Tel.: +49 (0)4128 - 591 · Fax: - 593
Merseyside PR8 4DU, UK Tel.: +44 (1704) - 551684 · Fax: - 551297
Acworth, Georgia 30101, USA Tel.: +1 (770) 592 - 6630 · Fax: - 592 6640

www.captor.de
info@captor.de
sales@captor.co.uk
sales@captor.com

Technical data subject to alteration! Rev. AD 14.06.23