

## proxi-captor Type 2400.- - / 2500.- -

Where installation of compact proximity switches is restricted by e.g. high temperatures, the proxi-captor remote electronics, type 2400.-- (adjustable) or 2500.-- (self-adjusting) can be combined with a coil, type 28--, constructed to customer specification.

proxi-captor type 2500.-- and its coil have been especially conceived for application in environments where normal proximity switches are restricted by the presence of surrounding machinery. 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, proxi-captor type 2400.-- has been constructed to allow adjustment by means of a potentiometer.

Remote inductive proximity switch, self-adjusting or manually adjustable, completely encapsulated, no moving parts, rugged aluminium housing.

### Electrical Data

Type	AC		DC	
	.52	.53	.14	.15
Output	n.c.	n.o.	PNP n.o./NPN n.c.	PNP n.c./NPN n.o.
Supply voltage'	115 V AC $\pm$ 15 %, 50 - 60 Hz 230 V AC $\pm$ 15 %, 50 - 60Hz other voltages on request		24 V DC $\pm$ 15%	
Current consumption unactivated	approx. 10 mA at 230 V AC		approx. 18 mA	
Voltage drop	approx. 10 V		2.5 V at 400 mA	
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



Custom-made coils of the series 28-- for a variety of applications

# proxi-captor

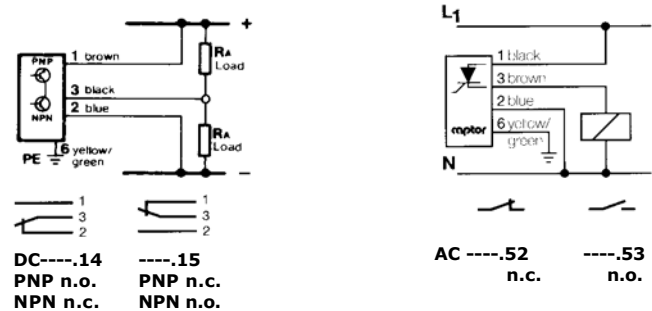
Type 2400.- - / 2500.- - Remote inductive proximity switch



### Mechanical Data

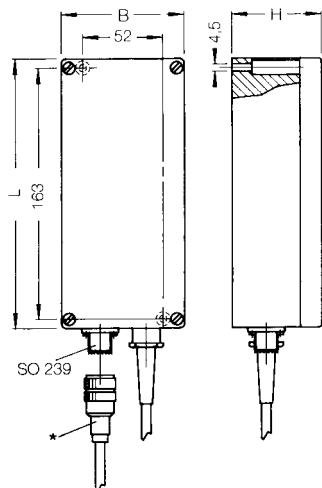
Type	2400.- -	2500.- -
Construction	Remote electronic unit	
Material	Aluminium	
Switching distance	adjustable by potentiometer	self-adjusting
Nominal switching distance ( $s_n$ )	related to type of remote coil	
Hysteresis	approx. 10%	
Ambient temperature	-10 °C to + 65 °C ( 14 °F to 148 °F)	
Protection standard	IP 65 / DIN 400 50	
Vibration and shock	in accordance with DIN 574 11	
Function indicator loglc	-.52 LED on when inactivated -.53 / -.14 / -.15 LED on when activated	
Mass	approx. 1.5 kg	

### Connection diagram



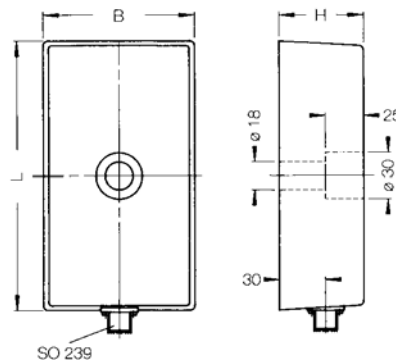
### Dimensions (mm)

Remote electronics:  
**Type 2400.- -**  
**Type 2500.- -**  
 175 x 80 x 57 (L x W x D)



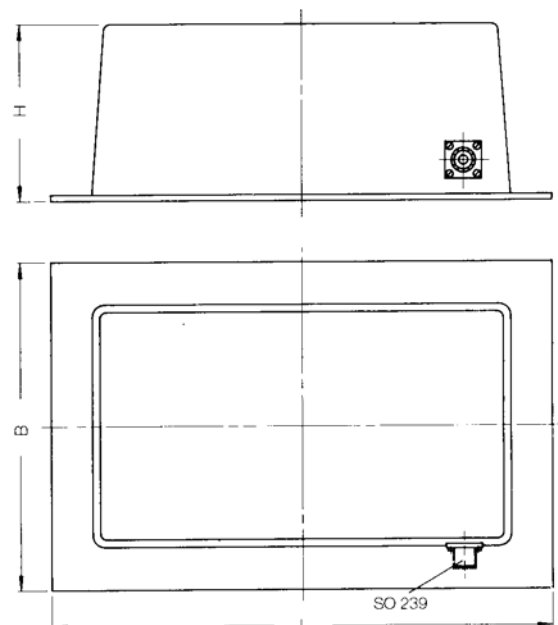
\*Connection remote electronics / coil:  
 2 m coaxial cable, RG 213, with 2 plugs, PL 259  
 (standard version, othertypes and length on request).

Samples for standard remote coils,  
**Type 2801**  
 176 x 98 x 55 (L x W x D),  $s_n = 100$



**Type 2802**  
 325 x 215 x 115 (L x W x D),  $s_n = 150$

**Type 2803**  
 610 x 270 x 155 (L x W x D),  $s_n = 250$



# Weber

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