

## BRIDGEBOY-1R

## LOAD LIMITER WITH 1 SET POINT

The BRIDGEBOY-1R is designed, in combination with load cell, for load limitation of hoisting devices and particularly overhead cranes (EOT).

The BRIDGEBOY-1R assures the **"positive safety"**, it puts itself in alarm whatever the detected default may be.

Available on BRIDGEBOY-1R, a **test** button for the easy check of the good function of the whole load limitation chain.



<b>Input signal</b>	Between 0,5 and 2 mV/V (from the load cell)	
Load cell power supply	Settable current between 10 and 28 mA (11 V max) (Trim pot on front)	
Load cell resistance	≥ 350 Ω	
Adjustable span	From 500 to 2.000 (3 ranges and potentiometer)	
Adjustable Zero	Up to 25 % of Full Scale (FS)	
<b>Output signals</b>	0..10 V (Load R: ≥ 2,5 kΩ)	
	4..20 mA (Load R: ≤ 500 Ω)	
	Output for downstream Bridgeboy - cascade mounting or combined load.	
<b>Accuracy</b>	± 0,5 % FS	
<b>Set point</b>	From 0 to 12 V (setting through trim pot on front)	
<b>Relays</b>	Form-C, SPDT (250 V – 6A) Active in normal situation	
<b>Response time</b>	From 60 ms to 1 s (Trim pot on front)	
<b>Hysteresis</b>	20 % (modifiable by replacing internal resistance)	
<b>Environmental</b>	Service temperature range	from –20 to + 60°C
	Storage temperature range	from – 40 to + 70°C
	Protection	IP54
<b>Temp. coefficient</b>	< 0,2 % /10°C	
<b>Power supply</b>	48, 115 or 230 VAC (50/60 Hz) 5 VA (tension to be mentioned when ordering)	
<b>Electromagnetic conformity</b>	EN 50 081-1, EN 50 081-2 and NBN 52 003 (hoisting specifications)	
<b>Dimensions and wiring</b>	See enclosure	

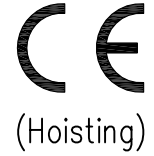
# LOAD LIMITER

model **BRIDGE** 1 Setpoint relay

Compact model for mounting on DIN rail TS35 IP54

Available power supply

48-115-230 VAC



Ref :  
 BRIDGE-BOY-48VAC-1R  
 BRIDGE-BOY-115VAC-1R  
 BRIDGE-BOY-230VAC-1R

