

## BRIDGEBOY-3R

## LOAD LIMITER WITH 3 SET POINTS

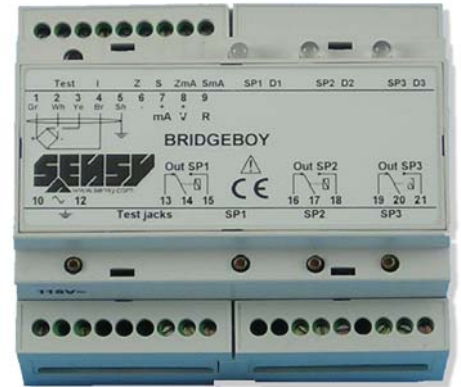
The BRIDGEBOY-3R is designed, in combination with load cell, for load limitation with 3 set points of hoisting devices and particularly overhead cranes (EOT).

Details of the set points:

- Overload detection
- Slack cable detection
- Intermediate load detection.

The BRIDGEBOY-3R assures the "**positive safety**", it puts itself in alarm whatever the detected default may be.

Available on BRIDGEBOY-3R, a **test** button for the easy check of the good function of the whole load limitation chain.

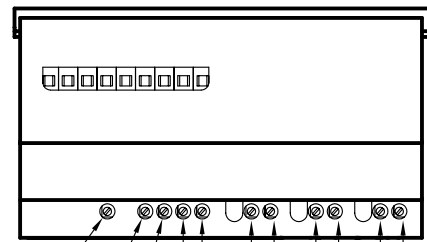
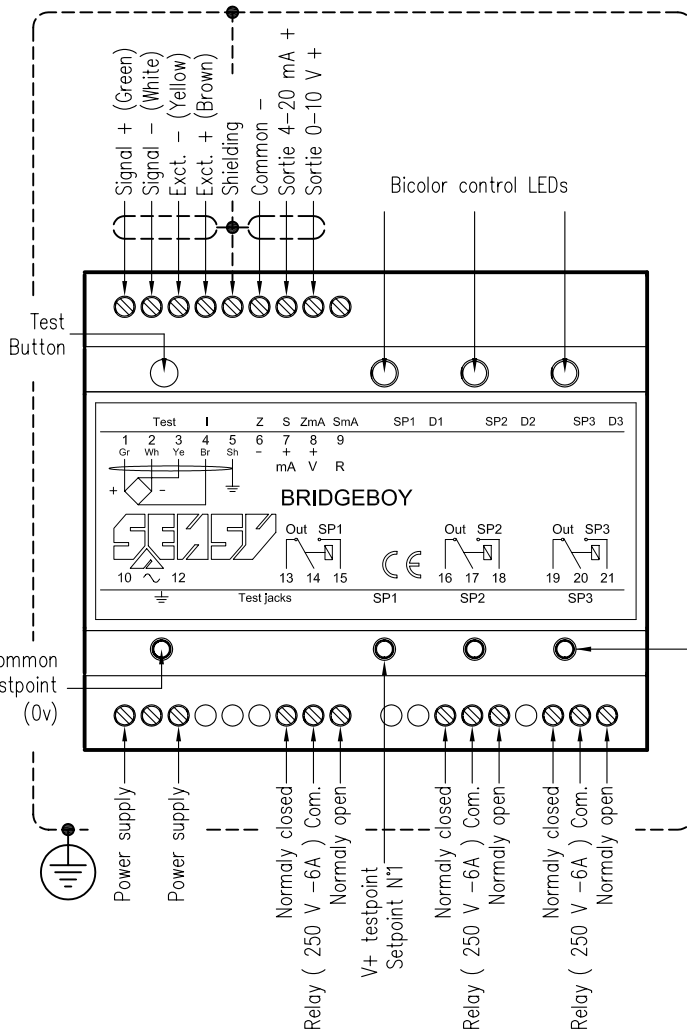
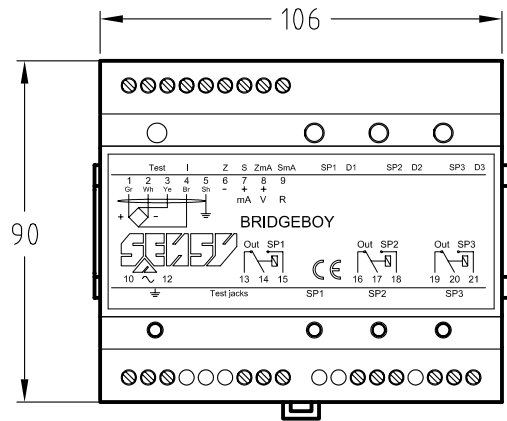
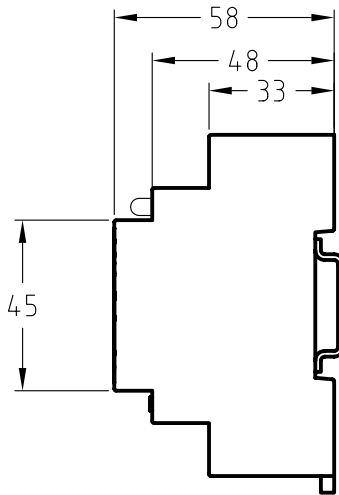
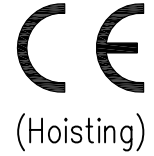


<b>Input signal</b>	Between 0,5 and 2 mV/V (from the load cell)	
Load cell power supply	Settable current between 10 and 28 mA (11 V max) (Trim pot on front)	
Load cell resistance	≥ 350 Ω	
Adjustable span	From 500 to 2.000 (3 ranges and potentiometer)	
Adjustable Zero	Up to 25 % of Full Scale (FS)	
<b>Output 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) The 3rd set point is by default configured in slack cable detection	
<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>	Overload and intermediate load: 20 % Slack cable detection: 0 % (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** 3 Setpoints relays

Ref : Compact model for mounting on DIN rail TS35 IP54  
 BRIDGE-BOY-48VAC-3R Available power supply  
 BRIDGE-BOY-115VAC-3R 48-115-230 VAC  
 BRIDGE-BOY-230VAC-3R



- Adjustment excitation sensor ( 10...28mA )
- Zero 0-10 V output Adjustment
- Span 0-10 V output Adjustment
- Zero 4-20 mA output Adjustment
- Span 4-20 mA output Adjustment
- Setpoint N°1 Adjustment Delay Adjustment
- Setpoint N°2 Adjustment Delay Adjustment
- Setpoint N°3 Adjustment Delay Adjustment

