

BRIDGEBOY -1R

LOAD LIMITATION ELECTRONICS WITH 1 SET POINT

Electronics with 1 set point designed in combination with a load cell to limit the load of a hoisting device (EOT cranes).

- Low cost
- Internal monitoring system of the integrity of the load cell and the load limitation electronics (positive safety).
- Visualization of overloads by a led on the front.
- TEST button on the front
- Adjustments by potentiometers easy to reach
- Din rail mounting



BRIDGEBOY-1R

Limitation	1 set point configured for load limitation	
Security	Internal survey system of the load cell and the electronics deactivating the overload relay in case of failure (positive safety) "TEST " button on the front in order to check the good working of the detection system Adjustable delay to avoid reaction to transitory non significant overload	
Set point	Adjustable by multi-turn potentiometer	
Relay	Form C (6A - 250 VAC) activated in safe situation	
Response time	From 60 ms up to 1 s adjustable by multi-turn potentiometer	
Hysteresis	Default value: 20 % (0 % or 5 % possible if specified at the order)	
Input signal	From 0,5 to 2mV/V by 3 setting ranges and multi-turn potentiometer Pont de Wheatstone ($\geq 350 \Omega$) Supply of the bridge : from 10 to 28 mADC (11 V max.) (adjustable by multi-turn potentiometer)	
Accuracy	$\pm 0,5 \%$ of full range	
Power supply	BRIDGE BOY 230VAC-1R	230 VAC (50/60 Hz, 7 VA)
	BRIDGE BOY 48VAC-1R	48 VAC (50/60 Hz, 7 VA)
	BRIDGE BOY 230VAC-1R + Option ALIM-115VAC	115 VAC (50/60 Hz, 7 VA)
	BRIDGE BOY 48VAC-1R + Option ALIM-115VAC	115 VAC (50/60 Hz, 7 VA)
Output signals	0..10 V	(load resistance : $\geq 2,5 \text{ k}\Omega$)
	4..20 mA	(load resistance : $\leq 500 \Omega$)
	Output for supplementary Bridgeboy for cascade or summing configuration.	
Protection	IP54	
Temperature	Operating	from -20 to $+60 \text{ }^\circ\text{C}$
	Storage	from -40 to $+70 \text{ }^\circ\text{C}$



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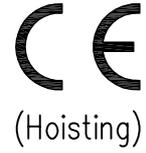
LOAD LIMITER

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

