

Impulse Line Time Distribution

Impulse Booster

The Impulse Booster is a device for the amplification of impulse signals or line voltage transforming.

Your benefits at a glance:

- Existing installation can easily be extended without the need for an additional master clock
- Clock line extensions of more than 1000 meters and with approximately 100 additional clocks are achievable
- Intelligent distribution concept by separating lines per floor or building
- Existing installations with 48 or 60 V impulse clocks can be driven from a 24 V impulse master clock by using the impulse booster as voltage level shifter



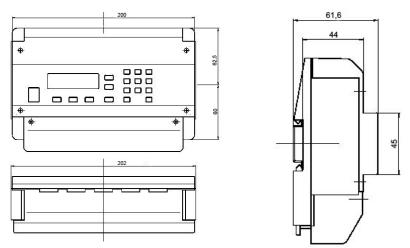
Impulse Booster - Technical details

Main features

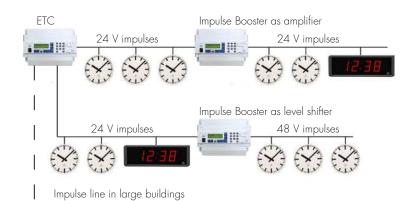
- Monitoring of input signal, external supply voltage and impulse output current and voltage (limits can be configured)
- Automatic switch off in case of overload or short-circuit
- Alarms are signaled by an alarm relay and on the display
- Automatic restart after the error has been fixed

Application

- Extension of existing installations with approximately 100 additional clocks
- Impulse line extension in large buildings with distances of more than 1000 meters
- Intelligent distribution concept by separating lines per floor or building



Impulse Booster dimensions (W \times H \times D): 202 \times 145 \times 64 mm



Technical data Impulse Booster	Art.No. 204595			
Synchronization sources	Minute impulses, active DCF			
Impulse line	Maximum output load	1000 mA / 24, 48, 60 VDC		
	Line modes	second, ½ minute, minute impulses or active DCF		
Supply	Voltage range	20 - 68 VDC		
	Max. input power	$1,5 \text{ A} \times 60 \text{ V} = 90 \text{ W}$		
Alarm relay	DC load	30 W, max. 60 VDC or 1 A		
	AC load	60 VA, max. 30 VAC or 1 A		
Environment	Temperature	0 +50 °C		
Technical data External Power Supply		Art.No. 701722	Art.No. 701732	Art.No. 701733
Input	AC voltage range	85 - 264 VAC	85 - 264 VAC	85 - 264 VAC
	AC frequency range	47 - 63 Hz	47 - 63 Hz	47 - 63 Hz
Output	Output voltage (adjustable)	24 V	48 V	56 V
	Output current	1.5 A	2.5 A	2 A
Environment	Temperature	-20 +60 °C	-20 +60 °C	-20 +60 °C
Dimensions [mm]	$W \times H \times D$	78 x 93 x 56	40 × 90 × 100	55 x 90 x 100