



Impulse Line Time Distribution

Impulse Booster

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

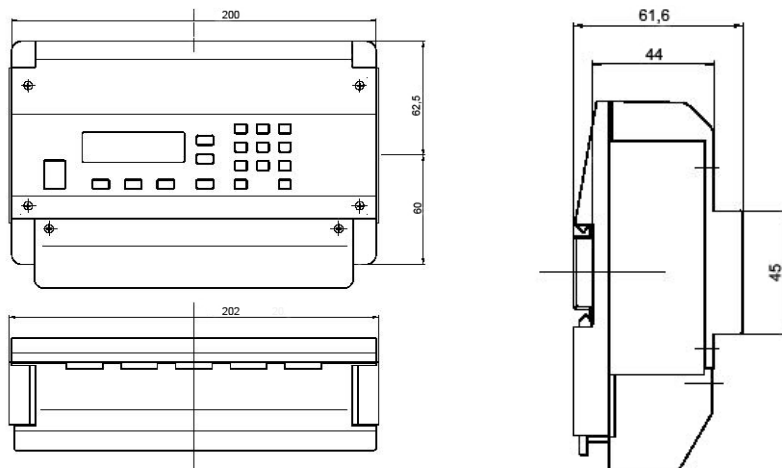
Your benefits at a glance:

- 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

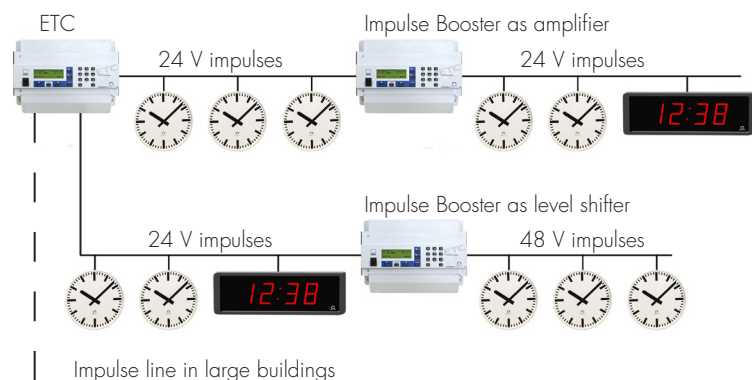
- Monitoring of input signal, external supply voltage and impulse output current and voltage (limits can be configured)
- Automatic switch off in case of overload or short-circuit
- Alarms are signaled by an alarm relay and on the display
- Automatic restart after the error has been fixed



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

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 line in large buildings

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 A x 60 V = 90 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 x H x D	78 x 93 x 56	40 x 90 x 100	55 x 90 x 100