

Impuls Controller

IC 8



The IC 8 is used to record impulses via potential free contacts. This controller is able to monitor each channel with a frequency of 100 Hz and to count incoming impulses. The sum of all impulses is controlled by the time program of the MCC. All Data collected from the IC Controller obtains a synchronized time stamp, the data will be stored in the memory of the MCC. There the data is available for collection by an evaluation-server.

The MCC will convert the impulses in “real size” by using parameters which are stored in the MCC, to interpret the impulses. The IC Impulse Controller and impulse-meter will be reset to “0” after each query of the impulse-meter.

There are many applications for an impulse-meter to collect parameters of digital impulse generators. As a trigger for example water clocks, light beams or torque gauges can be used. These are used for compensation or documentation purposes, to supplement the monitoring.

The communication cable can have a length up to 500m, when using an additional supply unit for each Impulse Controller. The supply unit needs to be connected to the main power supply.

Expansion modules

- Mounting bracket for pipe installation

Technical data

Entry:	8 contacts free of potential
Dimensions l x w x h cm:	26 x 16 x 9
Weight:	2.5 kg
Detection frequency per channel:	100 Hz
Operating voltage:	24 V _{DC}
Power consumption:	130 mA
Temperature range:	-15°C up to +70°C
Galvanic separation, entry:	Yes, by optical coupler
Protection class:	IP66
Protocol:	GL-bus
Transmission rate:	1.200 baud
External supply unit:	optional
Connections for cable:	7-12 mm
Overvoltage protection:	No, potential free
Additional supply:	No
Compatibility:	MCC LT/S/L/XL