

A / mA-Converter

General



The Ampere / mA converter is applied for monitoring of motor current where the motor current from one of the phase conductors is converted to a mA-signal, so the motor current can be applied for control, monitoring and recording.

The converter is supplied with two separate channels especially concerning surveillance of the many pump stations equipped with two pumps.

Features

- Double unit with two separate channels.
- Easy to install; both converter and current transformer is for DIN rail mounting.
- Measuring range from 0-10 A to 0-100 A.
- Loop powered from the current transformer.

Function

One of the phase conductors for the motor to be monitored is led through the hole in the current transformer. The current transformer is connected to DIN rail ampere / mA converter, which converts the motor current to a 4 - 20 mA signal which can be fed to a frequency converter, indicator, recorder or MJK Data Transmitter.

Monitoring of pumps:

The A / mA converter is designed especially for monitoring of pumps where the 4 - 20 mA output signal is applied both for operation indication and monitoring of motor current. By application of an A / mA converter for signalling of *pump running* instead of the usual auxiliary switch on the motor contactor, failures such as triggered thermal switches, defective phase fuses and dry run of the pump can be monitored.

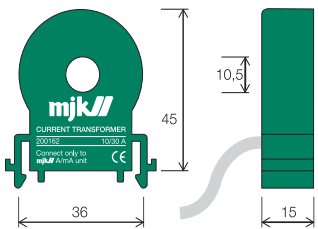
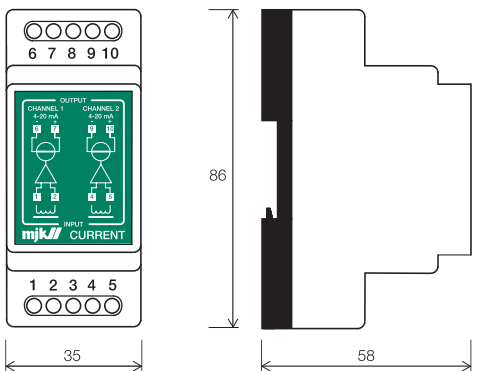
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Specifications

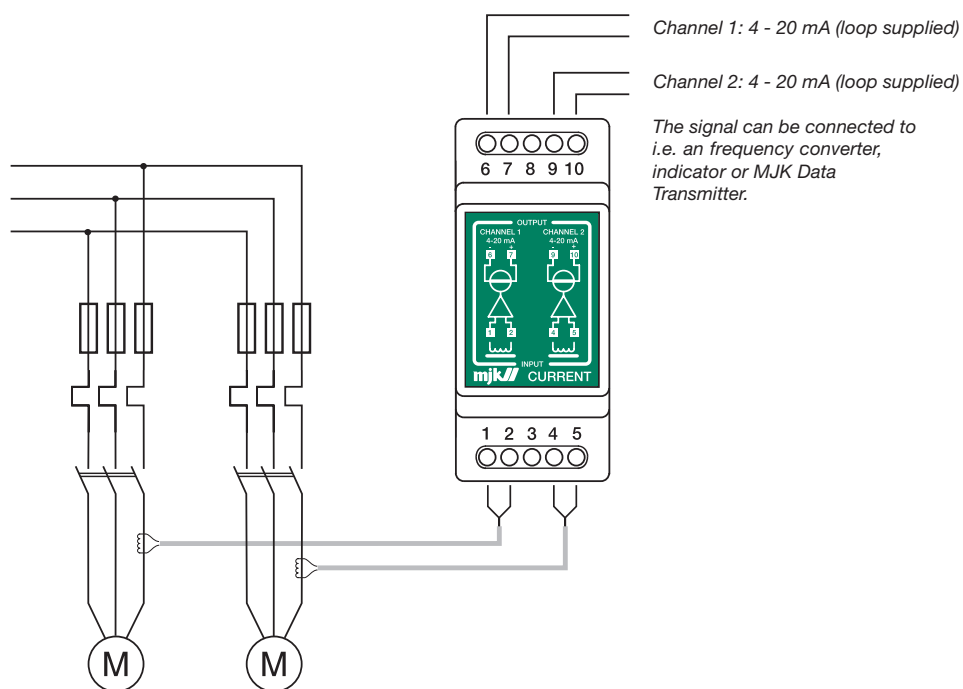
Inputs:	Current transformers, 10 / 30 A or 33 / 100 A
Output:	4 - 20 mA
Supply:	10 - 30 V DC
Accuracy:	Better than $\pm 2 \%$

Temperature:	- 20 ... + 60 °C
Channels:	2
Enclosure:	IP 22
Mounting:	DIN-skinne

Dimensions



Electrical connection



Order numbers

A / mA-converter and current transformers

200161	A / mA-konverter
200162	Separate current transformer, 10 / 30 A
200163	Separate current transformer, 33 / 100 A