

# MTWT-FLS / MFI -FLS - Converters for Impeller flow sensors

## ◆ Description ◆

Converters ...-FLS... convert pulses from flow sensor (impeller type) to standard 4÷20 mA. There are two models:

MFI -FLS -H – 3 wire converter, Hall effect sensors;

MTWT-FLS-C– 2 wire converter, Coil sensors.

The converters are available in two different enclosures: **D** –Din-rail mounting and **W** – for wall mounting (only MTWT-FLS-C-W).

## ◆ Specification ◆

Accuracy: ± 0.5% F.S.

Power supply: 24 ± 10% VDC

Output : MTWT: 4 ÷ 20 mA passive  
MFI: 4 ÷ 20 mA 3 wire (Power 24VDC)

Ambient Temp. : -20 ÷ +65°C

Enclosures :

**D** - plastic case UEGM 25, size W 25 x H 79 x L 93mm;

**W** - plastic case with transparent cover with, size W 75 x H 57 x L 110mm. S- space between mounting holes -82mm

Protection category: IP-40

Connection: by screw terminals (2.5mm<sup>2</sup> wires max). **W** - 2 glands on sides of a case.

Mounting: **W**- on wall by 2 screws; **D** – on Din-rail.

Std converters are for FIP-FLS Italy sensors. Contact Megatron for other types of impeller sensors.

FLS sensor **D** case



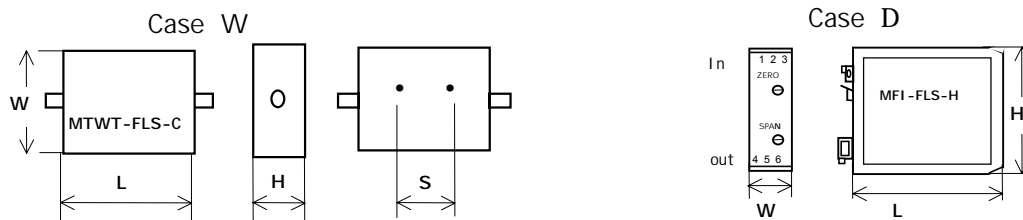
**W** case



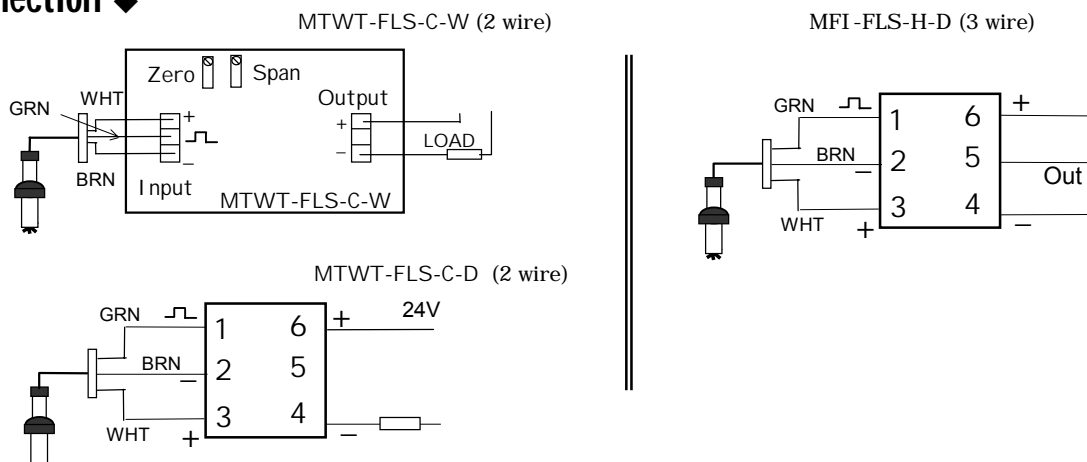
## ◆ Calibration ◆

The device is calibrated according to pipe diameter and max flow. Output signal is adjusted by ZERO and SPAN potentiometers installed on: case **W** - on the PCB of transmitter, case **D** – on front panel. Pot' ZERO adjust 4mA at no flow and SPAN adjust 20mA at max flow. Repeat calibration.

## ◆ Dimension ◆



## ◆ Connection ◆



MTWT-FLS E-S-3-06

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Manufactures & Representatives for Control Equipment



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