

Signal Conditioner v1 S709

DESCRIPTION

The **S709** signal conditioner is a **USC701 universal** signal conditioner that has one or more hardware changes.
 In most cases the changes are minor. For a description of all hardware and software refer to the USC701 except where specified by the type number below.



General Specifications

See USC701

USC Type No Designation

S709-X X X X X X X X X X

Supply:

- 1 = 80-300Vdc / 80-280Vac 50/60Hz
- 2 = 10V - 60Vdc / 16 - 42Vac 50/60Hz

Fieldbus:

- 0 = None
- *) 1 = Modbus and Talk Only, RS232.
- *) 2 = Modbus and Talk Only, RS485.
- *) 3 = 5V 250mA Power Supply
- *) 4 = AM702 format RS232
- *) 5 = Reference Voltage specify (0 to 5V)

Input 1:

- 0 = Same as USC701
- 1 = 1A 50mV nominal internal shunt use terminals 14+ve, 16 -ve. Specify calibration.
- 2 = 5A 50mV nominal internal shunt use terminals 14+ve, 16 -ve. Specify calibration.

Input 2:

- 0 = Same as USC701
- 1 = 1A 50mV nominal internal shunt use terminals 19+ve, 17 -ve. Specify calibration.
- 1 = 5A 50mV nominal internal shunt use terminals 19+ve, 17 -ve. Specify calibration.

Input 3:

- 0 = Same as USC701

Input 4:

- 0 = Same as USC701

Excitation:

- 0 = Same as USC701

Analogue Output:

- 0 = Same as USC701

Relay 1:

- 0 = Same as USC701
- *) 1 = Replace RLY1 with open collector NPN transistor collector on terminal 7, limiting resistor from internal power supply to terminal 6 (DS70921)
- *) 2 = Replace RLY1 with isolated open collector NPN transistor collector on terminal 7, emitter on 6 (DS70921).
- *) 3 = Normally closed contact.

Relay 2:

- 0 = Same as USC701
- *) 1 = Replace RLY2 with open collector NPN transistor collector on terminal 9, limiting resistor from internal power supply to terminal 8 (DS70921)
- *) 2 = Replace RLY2 with isolated open collector NPN transistor collector on terminal 9, emitter on 8 (DS70921).
- *) 3 = Normally closed contact.

*) = Price Extra.

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