

DSSIU-4

Four Channel System Interface Unit

DSSIU-4 is an interface unit capable of integrating up to 4xDS2000 into a complete current measuring system.

- Usable in 19" rack mounting and table top usage
- Visual indication for each transducer channel if transducer is powered and in normal operation
- Forced cooling, low noise
- Universal mains supply



Parameter	Unit	Min	Typ	Max	Comment
Mains voltage	V	100		240	
Mains frequency	Hz	47		63	
Channels					4 Channels
Output voltage	V	±15.5		±15.75	Available in DSUB connector
Secondary output current connection					4mm Banana jacks



Package content

- DSSIU-4 System Interface Unit
- 1,8m Europe Power cable or 2m US/Asia power cable
- 4 x Rubber feet for table use
- 4 x Rack screw kits for 19" rack mount

Accessories

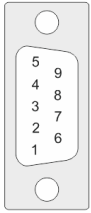
- 2, 5, 10 and 20 meter shielded DSUB cable

Options and ordering information

Product Description	Part Name	Part Number
4 Channel SIU	DSSIU-4	1511000001
2m shielded DSUB cable – secondary voltage drop max 0,24V @ 1A	DSUB2	1411000001
5m shielded DSUB cable– secondary voltage drop max 0,45V @ 1A	DSUB5	1411000002
10m shielded DSUB cable– secondary voltage drop max 0,8V @ 1A	DSUB10	1411000003
20m shielded DSUB cable– secondary voltage drop max 1,5V @ 1A - Not suitable for DS2000 operation	DSUB20	1411000004

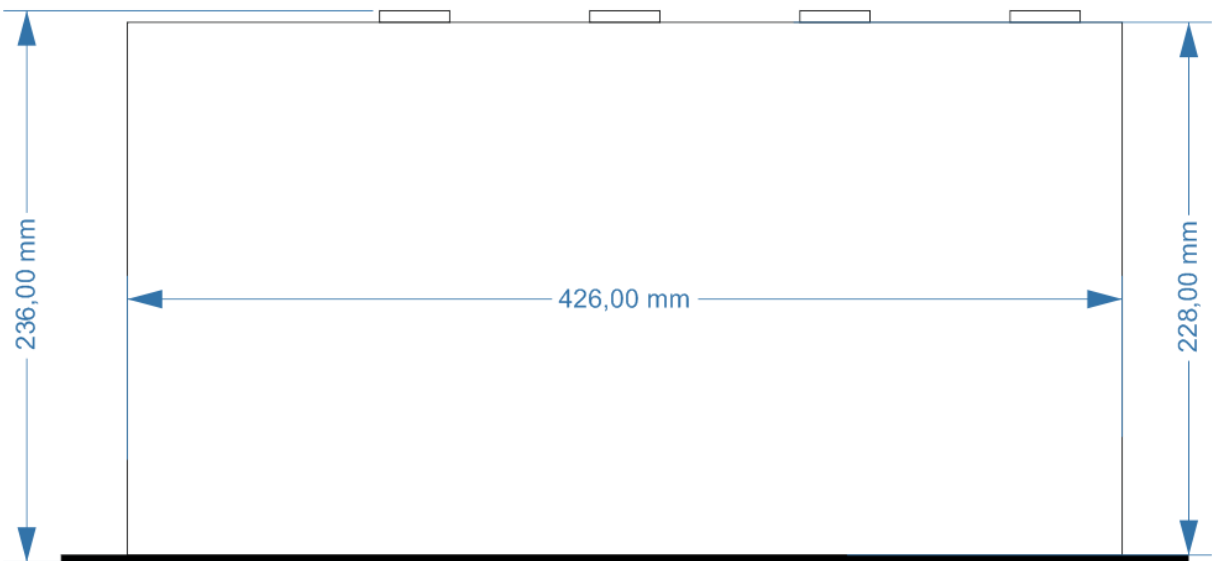
Connection diagram

Standard DSUB-9 current output



- 5 —●— -Vc
- 9 —●— +Vc
- 4 —●— 0V
- 8 —●— Status
- 3 —●— Status
- 7 —●— NC
- 2 —●— NC
- 6 —●— Red 4mm plug - Out+
- 1 —●— Black 4mm plug - Out-

Mechanical dimensions



User Guide

Intended use:

The DSSIU-4 is intended to be used for powering up to four Danisense current sensors.

The sensors which can be powered are all 200A, 600A, 900A and 2000A transducers.

Instruction for use:

1. Do not power up the device before all cables are connected
2. If the DSSIU-4 is intended for desk use, mount the rubber feet which are part of the package. If the DSSIU-4 is intended for Rack mounting, use the screw kit for mounting and do not mount the rubber feet.
3. Connect a DSUB cable between DSSIU-4 and each sensor
4. Connect a low impedance amperemeter, measuring resistor or power analyzer on the secondary output (4mm red and black connectors)
5. When all connections are secured - connect mains power

Indications:

- When mains is applied a green light diode on the front next to symbol "POWER" will light green.
- For each sensor connected a green light diode will light on the front if the connection is correct and the sensor is operating within normal range.

Typical connection diagram:

Safety Instructions:

DO NOT TRY TO DISASSEMBLE THE UNIT.

Make sure that the unit is properly connected to earth ground.

Do not block the ventilation openings on the side panels.

If the fan does not operate properly contact Danisense for repair.

If the "POWER" green diode is not working when mains is applied, disconnect power and contact Danisense for further instruction.

CE Statement:

This product has been tested and found to comply with the following standards.

Electrical safety: EN 61010-1 2010

Electromagnetic Compatibility: EN 61326-1 2006

Declaration of Conformity

Danisense A/S
Rugvænget 19F
DK-2630 Taastrup
Denmark

declares that under our sole responsibility the products

DS200IDSA, ILSA, CLSA and IDMA

DS600IDSA, ILSA, CLSA and IDMA

DS900PIDSA, PCT200 and PCT600

DS2000ILLA, DS2000CLLA and DS2000UBLA-1&10

DSSIU-4

are in conformity with the provisions of the following EC Directives, including all amendments, and with national legislation implementing these directives:

Directive 2004/108/EC, Class A+B

and that the following harmonized standards have been applied

EN 61326-1

EN 61010-1:2010

Place

Taastrup, Denmark

Signature

Henrik Elbæk

Date

13-01-2014