

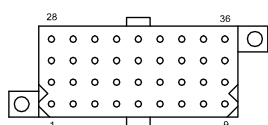
DATALOGGER UNS10195: WIRING DIAGRAM

CONNECTOR "A"				
Pin	CH	Function	Type	Note
1		+12+24V A		
2		+12+24V B		
3		GND		
4		RS485 A		
5		RS232 RX 1		
6		RS232 RX 2		
7		CAN-H 1		
8		CAN-H 3		
9		USB D-		
10		+12+24V A		
11		+12+24V B		
12		GND		
13		RS485 B		
14		RS232 TX 1		
15		RS232 TX 2		
16		CAN-L 1		
17		CAN-L 3		
18		USB D+		
19		CAN GND		
20	A44	ANAB 4	0..32V	
21		GND		
22		GND		
23		GND		
24		GND		
25		CAN-H 2		
26		CAN-H 4		
27		USB 5V		
28		---		
29		EARTH		
30		EARTH		
31	A46	ANAB 6	0..32V	
32	A45	ANAB 5	0..32V	
33		NMEA IN		
34		CAN-L 2		
35		CAN-L 4		
36		USB GND		

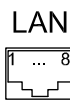
CONNECTOR "B"				
Pin	CH	Function	Type	Note
1	DO2	DO 2B	NO Relay 2	
2	DO4	DO 4B	NO Relay 4	
3	DO6	DO 6B	NO Relay 6	
4	DO8	DO 8B	NO Relay 8	
5		+9V OUT		
6		+9V OUT		
7	D1	DI 1	Digital In	
8	D3	DI 3	Digital In	
9		---		
10	DO2	DO 2A	C Relay 2	
11	DO4	DO 4A	C Relay 4	
12	DO6	DO 6A	C Relay 6	
13	DO8	DO 8A	C Relay 8	
14	A43	ANAB 3	0..32V	
15		GND		
16	D2	DI 2	Digital In	
17	D4	DI 4	Digital In	
18	D6	DI 6	Digital In	
19	DO1	DO 1B	NO Relay 1	
20	DO3	DO 3B	NO Relay 3	
21	DO5	DO 5B	NO Relay 5	
22	DO7	DO 7B	NO Relay 7	
23	A42	ANAB 2	0..32V	
24		GND		
25	F2/A47	W 2- ANAB 7	0..10kHz/0..32V	
26	D5	DI 5	Digital In	
27	D7	DI 7	Digital In	
28	DO1	DO 1A	C Relay 1	
29	DO3	DO 3A	C Relay 3	
30	DO5	DO 5A	C Relay 5	
31	DO7	DO 7A	C Relay 7	
32	A41	ANAB 1	0..32V	
33	F1	W 1	0..10kHz	
34	F3/A48	W 3-ANAB 8	0..10kHz/0..32V	
35		GND		
36	D8	DI 8	Digital In	

CONNECTOR "C"				
Pin	CH	Function	Type	Note
1		---		
2		GND A		
3	A31	ANA 31	1..100kΩ	
4		GND A		
5	A29	ANA 29	1..100kΩ	
6		GND A		
7	A27	ANA 27	1..100kΩ	
8		GND A		
9	A25	ANA 25	1..100kΩ	
10		GND A		
11		GND A		
12	A32	ANA 32	1..100kΩ	
13		GND A		
14	A30	ANA 30	1..100kΩ	
15		GND A		
16	A28	ANA 28	1..100kΩ	
17		GND A		
18	A26	ANA 26	1..100kΩ	
19	A2	ANA 2	0..300Ω	
20	A4	ANA 4	0..300Ω	
21	A6	ANA 6	0..300Ω	
22	A8	ANA 8	0..300Ω	
23		GND A		
24	A18	ANA 18	0..10V	
25	A20	ANA 20	0..10V	
26	A22	ANA 22	0..10V	
27	A24	ANA 24	0..10V	
28	A1	ANA 1	0..300Ω	
29	A3	ANA 3	0..300Ω	
30	A5	ANA 5	0..300Ω	
31	A7	ANA 7	0..300Ω	
32		GND A		
33	A17	ANA 17	0..10V	
34	A19	ANA 19	0..10V	
35	A21	ANA 21	0..10V	
36	A23	ANA 23	0..10V	

CONNECTOR "D"				
Pin	CH	Function	Type	Note
1		VC TC 8	-TCK/TCJ	
2		VC TC 7	-TCK/TCJ	
3		VC TC 6	-TCK/TCJ	
4		VC TC 5	-TCK/TCJ	
5		GND A		
6	A16	ANA 16	0..10V	
7	A12	ANA 12	0..10V	
8		GND A		
9		---		
10	A40	TC 8 IN	+TCK/TCJ	
11	A39	TC 7 IN	+TCK/TCJ	
12	A38	TC 6 IN	+TCK/TCJ	
13	A37	TC 5 IN	+TCK/TCJ	
14		GND A		
15	A15	ANA 15	0..10V	
16	A11	ANA 11	0..10V	
17		GND A		
18		---		
19		VC TC 4	-TCK/TCJ	
20		VC TC 3	-TCK/TCJ	
21		VC TC 2	-TCK/TCJ	
22		VC TC 1	-TCK/TCJ	
23		GND A		
24	A14	ANA 14	0..10V	
25	A10	ANA 10	0..10V	
26		GND A		
27		---		
28	A36	TC 4 IN	+TCK/TCJ	
29	A35	TC 3 IN	+TCK/TCJ	
30	A34	TC 2 IN	+TCK/TCJ	
31	A33	TC 1 IN	+TCK/TCJ	
32		GND A		
33	A13	ANA 13	0..10V	
34	A9	ANA 9	0..10V	
35		GND A		
36		---		



Connector "A" ... "D"



- LAN connection

- +12+24V Power Supply
- RS232 RX/TX 1+2
- RS485
- USB
- CAN bus 1+4
- NMEA INput

- A1+A8 Analog Input 0+300Ω
- A9+A24 Analog Input 0+10V
- A25+A32 Analog Input 0+100kΩ
- A33+A40 (TC1+TC8) Analog Input Thermocouple
- A41+A48 Analog Input 0+32V
- F1+F3 (W1+W3) Frequency Input
- D1+D8 Digital Input ON/OFF active to GND

- DO 1+DO 8 Relay Output (NO,C)
- GND Negative Power Supply
- GND A Negative Analog Input

Rev:	Date:	Descrizione modifiche - Description of changes:	SAN GIORGIO S.E.I.N. GENOVA - ITALY		
0	03/04/17	Prima emissione	Tel. 010-8301222 - www.sangiorgiosein.com		
			UNS10195 wiring diagram		
		Number:	Sheet:	Date:	Size:
		D170403	1/1	03/04/17	A3
		Compiled:	Checked:	Approved:	
		Garsi P.	Manuelli M.	Manuelli M.	

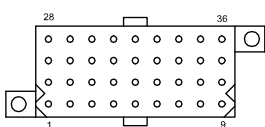
DATALOGGER **UNS10195/H02**: WIRING DIAGRAM

CONNECTOR "A"				
Pin	CH	Function	Type	Note
1		+12+24V A		
2		+12+24V B		
3		GND		
4		RS485 A		
5		RS232 RX 1		
6		RS232 RX 2		
7		CAN-H 1		
8		CAN-H 3		
9		USB D-		
10		+12+24V A		
11		+12+24V B		
12		GND		
13		RS485 B		
14		RS232 TX 1		
15		RS232 TX 2		
16		CAN-L 1		
17		CAN-L 3		
18		USB D+		
19		CAN GND		
20	A44	ANAB 4	0..32V	
21		GND		
22		GND		
23		GND		
24		GND		
25		CAN-H 2		
26		CAN-H 4		
27		USB 5V		
28		---		
29		EARTH		
30		EARTH		
31	A46	ANAB 6	0..32V	
32	A45	ANAB 5	0..32V	
33		NMEA IN		
34		CAN-L 2		
35		CAN-L 4		
36		USB GND		

CONNECTOR "B"				
Pin	CH	Function	Type	Note
1	DO2	DO 2B	NO Relay 2	
2	DO4	DO 4B	NO Relay 4	
3	DO6	DO 6B	NO Relay 6	
4	DO8	DO 8B	NO Relay 8	
5		+9V OUT		
6		+9V OUT		
7	D1	DI 1	Digital In	
8	D3	DI 3	Digital In	
9		---		
10	DO2	DO 2A	C Relay 2	
11	DO4	DO 4A	C Relay 4	
12	DO6	DO 6A	C Relay 6	
13	DO8	DO 8A	C Relay 8	
14	A43	ANAB 3	0..32V	
15		GND		
16	D2	DI 2	Digital In	
17	D4	DI 4	Digital In	
18	D6	DI 6	Digital In	
19	DO1	DO 1B	NO Relay 1	
20	DO3	DO 3B	NO Relay 3	
21	DO5	DO 5B	NO Relay 5	
22	DO7	DO 7B	NO Relay 7	
23	A42	ANAB 2	0..32V	
24		GND		
25	F2/A47	W 2- ANAB 7	0..10kHz/0..32V	
26	D5	DI 5	Digital In	
27	D7	DI 7	Digital In	
28	DO1	DO 1A	C Relay 1	
29	DO3	DO 3A	C Relay 3	
30	DO5	DO 5A	C Relay 5	
31	DO7	DO 7A	C Relay 7	
32	A41	ANAB 1	0..32V	
33	F1	W 1	0..10kHz	
34	F3/A48	W 3-ANAB 8	0..10kHz/0..32V	
35		GND		
36	D8	DI 8	Digital In	

CONNECTOR "C"				
Pin	CH	Function	Type	Note
1		---		
2		GND A		
3	A31	ANA 31	1..100kΩ	
4		GND A		
5	A29	ANA 29	1..100kΩ	
6		GND A		
7	A27	ANA 27	1..100kΩ	
8		GND A		
9	A25	ANA 25	1..100kΩ	
10		GND A		
11		GND A		
12	A32	ANA 32	1..100kΩ	
13		GND A		
14	A30	ANA 30	1..100kΩ	
15		GND A		
16	A28	ANA 28	1..100kΩ	
17		GND A		
18	A26	ANA 26	1..100kΩ	
19	A2	ANA 2	0..3.3V	
20	A4	ANA 4	0..3.3V	
21	A6	ANA 6	0..3.3V	
22	A8	ANA 8	0..3.3V	
23		GND A		
24	A18	ANA 18	0..10V	
25	A20	ANA 20	0..10V	
26	A22	ANA 22	0..10V	
27	A24	ANA 24	0..10V	
28	A1	ANA 1	0..3.3V	
29	A3	ANA 3	0..3.3V	
30	A5	ANA 5	0..3.3V	
31	A7	ANA 7	0..3.3V	
32		GND A		
33	A17	ANA 17	0..10V	
34	A19	ANA 19	0..10V	
35	A21	ANA 21	0..10V	
36	A23	ANA 23	0..10V	

CONNECTOR "D"				
Pin	CH	Function	Type	Note
1		VC TC 8	-TCK/TCJ	
2		VC TC 7	-TCK/TCJ	
3		VC TC 6	-TCK/TCJ	
4		VC TC 5	-TCK/TCJ	
5		GND A		
6	A16	ANA 16	0..10V	
7	A12	ANA 12	0..10V	
8		GND A		
9		---		
10	A40	TC 8 IN	+TCK/TCJ	
11	A39	TC 7 IN	+TCK/TCJ	
12	A38	TC 6 IN	+TCK/TCJ	
13	A37	TC 5 IN	+TCK/TCJ	
14		GND A		
15	A15	ANA 15	0..10V	
16	A11	ANA 11	0..10V	
17		GND A		
18		---		
19		VC TC 4	-TCK/TCJ	
20		VC TC 3	-TCK/TCJ	
21		VC TC 2	-TCK/TCJ	
22		VC TC 1	-TCK/TCJ	
23		GND A		
24	A14	ANA 14	0..10V	
25	A10	ANA 10	0..10V	
26		GND A		
27		---		
28	A36	TC 4 IN	+TCK/TCJ	
29	A35	TC 3 IN	+TCK/TCJ	
30	A34	TC 2 IN	+TCK/TCJ	
31	A33	TC 1 IN	+TCK/TCJ	
32		GND A		
33	A13	ANA 13	0..10V	
34	A9	ANA 9	0..10V	
35		GND A		
36		---		



Connector "A" ... "D"



- LAN connection

- +12+24V Power Supply
- RS232 RX/TX 1+2
- RS485
- USB
- CAN bus 1+4
- NMEA INput

- A1+A8 Analog Input 0+3.3V
- A9+A24 Analog Input 0+10V
- A25+A32 Analog Input 0+100kΩ
- A33+A40 (TC1+TC8) Analog Input Thermocouple
- A41+A48 Analog Input 0+32V
- F1+F3 (W1+W3) Frequency Input
- D1+D8 Digital Input ON/OFF active to GND

- DO 1+DO 8 Relay Output (NO,C)
- GND Negative Power Supply
- GND A Negative Analog Input

Rev:	Date:	Descrizione modifiche - Description of changes:	SAN GIORGIO S.E.I.N. GENOVA - ITALY		
0	16/05/18	Prima emissione	Tel. 010-8301222 - www.sangiorgiosein.com		
1	10/07/19	Aggiornata lista e tipologia ingressi	UNS10195/H02 wiring diagram - Hardware type 02		
			Number: D180526	Sheet: 1/1	Date: 10/07/19
			Size: A3		
			Compiled: Silvestri M.	Checked: Manuelli M.	Approved: Manuelli M.

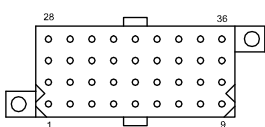
DATALOGGER **UNS10195/H03**: WIRING DIAGRAM

CONNECTOR "A"				
Pin	CH	Function	Type	Note
1		+12+24V A		
2		+12+24V B		
3		GND		
4		RS485 A		
5		RS232 RX 1		
6		RS232 RX 2		
7		CAN-H 1		
8		CAN-H 3		
9		USB D-		
10		+12+24V A		
11		+12+24V B		
12		GND		
13		RS485 B		
14		RS232 TX 1		
15		RS232 TX 2		
16		CAN-L 1		
17		CAN-L 3		
18		USB D+		
19		CAN GND		
20	A44	ANAB 4	0..32V	
21		GND		
22		GND		
23		GND		
24		GND		
25		CAN-H 2		
26		CAN-H 4		
27		USB 5V		
28		---		
29		EARTH		
30		EARTH		
31	A46	ANAB 6	0..32V	
32	A45	ANAB 5	0..32V	
33		NMEA IN		
34		CAN-L 2		
35		CAN-L 4		
36		USB GND		

CONNECTOR "B"				
Pin	CH	Function	Type	Note
1	DO2	DO 2B	NO Relay 2	
2	DO4	DO 4B	NO Relay 4	
3	DO6	DO 6B	NO Relay 6	
4	DO8	DO 8B	NO Relay 8	
5		+9V OUT		
6		+9V OUT		
7	D1	DI 1	Digital In	
8	D3	DI 3	Digital In	
9		---		
10	DO2	DO 2A	C Relay 2	
11	DO4	DO 4A	C Relay 4	
12	DO6	DO 6A	C Relay 6	
13	DO8	DO 8A	C Relay 8	
14	A43	ANAB 3	0..32V	
15		GND		
16	D2	DI 2	Digital In	
17	D4	DI 4	Digital In	
18	D6	DI 6	Digital In	
19	DO1	DO 1B	NO Relay 1	
20	DO3	DO 3B	NO Relay 3	
21	DO5	DO 5B	NO Relay 5	
22	DO7	DO 7B	NO Relay 7	
23	A42	ANAB 2	0..32V	
24		GND		
25	F2/A47	W 2- ANAB 7	0..10kHz/0..32V	
26	D5	DI 5	Digital In	
27	D7	DI 7	Digital In	
28	DO1	DO 1A	C Relay 1	
29	DO3	DO 3A	C Relay 3	
30	DO5	DO 5A	C Relay 5	
31	DO7	DO 7A	C Relay 7	
32	A41	ANAB 1	0..32V	
33	F1	W 1	0..10kHz	
34	F3/A48	W 3-ANAB 8	0..10kHz/0..32V	
35		GND		
36	D8	DI 8	Digital In	

CONNECTOR "C"				
Pin	CH	Function	Type	Note
1		---		
2		GND A		
3	A31	ANA 31	1..100kΩ	
4		GND A		
5	A29	ANA 29	1..100kΩ	
6		GND A		
7	A27	ANA 27	1..100kΩ	
8		GND A		
9	A25	ANA 25	1..100kΩ	
10		GND A		
11		GND A		
12	A32	ANA 32	1..100kΩ	
13		GND A		
14	A30	ANA 30	1..100kΩ	
15		GND A		
16	A28	ANA 28	1..100kΩ	
17		GND A		
18	A26	ANA 26	1..100kΩ	
19	A2	ANA 2	0..3.3V	
20	A4	ANA 4	0..3.3V	
21	A6	ANA 6	0..3.3V	
22	A8	ANA 8	0..3.3V	
23		GND A		
24	A18	ANA 18	0..10V	
25	A20	ANA 20	0..10V	
26	A22	ANA 22	0..10V	
27	A24	ANA 24	0..10V	
28	A1	ANA 1	0..3.3V	
29	A3	ANA 3	0..3.3V	
30	A5	ANA 5	0..3.3V	
31	A7	ANA 7	0..3.3V	
32		GND A		
33	A17	ANA 17	0..10V	
34	A19	ANA 19	0..10V	
35	A21	ANA 21	0..10V	
36	A23	ANA 23	0..10V	

CONNECTOR "D"				
Pin	CH	Function	Type	Note
1		VC TC 8	-TCK/TCJ	
2		VC TC 7	-TCK/TCJ	
3		VC TC 6	-TCK/TCJ	
4		VC TC 5	-TCK/TCJ	
5		GND A		
6	A16	ANA 16	0..10V	
7	A12	ANA 12	0..10V	
8		GND A		
9		---		
10	A40	ANA 40	0..10V	
11	A39	ANA 39	0..10V	
12	A38	ANA 38	0..10V	
13	A37	ANA 37	0..10V	
14		GND A		
15	A15	ANA 15	0..10V	
16	A11	ANA 11	0..10V	
17		GND A		
18		---		
19		VC TC 4	-TCK/TCJ	
20		VC TC 3	-TCK/TCJ	
21		VC TC 2	-TCK/TCJ	
22		VC TC 1	-TCK/TCJ	
23		GND A		
24	A14	ANA 14	0..10V	
25	A10	ANA 10	0..10V	
26		GND A		
27		---		
28	A36	ANA 36	0..10V	
29	A35	ANA 35	0..10V	
30	A34	ANA 34	0..10V	
31	A33	ANA 33	0..10V	
32		GND A		
33	A13	ANA 13	0..10V	
34	A9	ANA 9	0..10V	
35		GND A		
36		---		



Connector "A" ... "D"




- LAN connection

- +12+24V Power Supply
- RS232 RX/TX 1+2
- RS485
- USB
- CAN bus 1+4
- NMEA INput

- A1+A8 Analog Input 0+3.3V
- A9+A24 - A33+A40 Analog Input 0+10V
- RS485
- A25+A32 Analog Input 0+100kΩ
- A41+A48 Analog Input 0+32V
- F1+F3 (W1+W3) Frequency Input
- D1+D8 Digital Input ON/OFF active to GND

- DO 1+DO 8 Relay Output (NO,C)
- GND Negative Power Supply
- GND A Negative Analog Input

Rev:	Date:	Descrizione modifiche - Description of changes:	SAN GIORGIO S.E.I.N. GENOVA - ITALY 	
0	15/04/19	Prima emissione	Tel. 010-8301222 - www.sangiorgiosein.com	
1	10/07/19	Aggiornata lista e tipologia ingressi	UNS10195/H03 wiring diagram - Hardware type 03	
			Number: D190415	Sheet: 1/1 Date: 10/07/19 Size: A3
			Compiled: Silvestri M.	Checked: Manuelli M. Approved: Manuelli M.

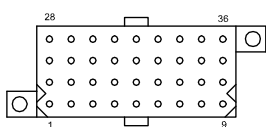
DATALOGGER **UNS10195/H04**: WIRING DIAGRAM

CONNECTOR "A"				
Pin	CH	Function	Type	Note
1		+12+24V A		
2		+12+24V B		
3		GND		
4		RS485 A		
5		RS232 RX 1		
6		RS232 RX 2		
7		CAN-H 1		
8		CAN-H 3		
9		USB D-		
10		+12+24V A		
11		+12+24V B		
12		GND		
13		RS485 B		
14		RS232 TX 1		
15		RS232 TX 2		
16		CAN-L 1		
17		CAN-L 3		
18		USB D+		
19		CAN GND		
20	A44	ANAB 4	0..32V	
21		GND		
22		GND		
23		GND		
24		GND		
25		CAN-H 2		
26		CAN-H 4		
27		USB 5V		
28		---		
29		EARTH		
30		EARTH		
31	A46	ANAB 6	0..32V	
32	A45	ANAB 5	0..32V	
33		NMEA IN		
34		CAN-L 2		
35		CAN-L 4		
36		USB GND		

CONNECTOR "B"				
Pin	CH	Function	Type	Note
1	DO2	DO 2B	NO Relay 2	
2	DO4	DO 4B	NO Relay 4	
3	DO6	DO 6B	NO Relay 6	
4	DO8	DO 8B	NO Relay 8	
5		+9V OUT		
6		+9V OUT		
7	D1	DI 1	Digital In	
8	D3	DI 3	Digital In	
9		---		
10	DO2	DO 2A	C Relay 2	
11	DO4	DO 4A	C Relay 4	
12	DO6	DO 6A	C Relay 6	
13	DO8	DO 8A	C Relay 8	
14	A43	ANAB 3	0..32V	
15		GND		
16	D2	DI 2	Digital In	
17	D4	DI 4	Digital In	
18	D6	DI 6	Digital In	
19	DO1	DO 1B	NO Relay 1	
20	DO3	DO 3B	NO Relay 3	
21	DO5	DO 5B	NO Relay 5	
22	DO7	DO 7B	NO Relay 7	
23	A42	ANAB 2	0..32V	
24		GND		
25	F2/A47	W 2- ANAB 7	0..10kHz/0..32V	
26	D5	DI 5	Digital In	
27	D7	DI 7	Digital In	
28	DO1	DO 1A	C Relay 1	
29	DO3	DO 3A	C Relay 3	
30	DO5	DO 5A	C Relay 5	
31	DO7	DO 7A	C Relay 7	
32	A41	ANAB 1	0..32V	
33	F1	W 1	0..10kHz	
34	F3/A48	W 3-ANAB 8	0..10kHz/0..32V	
35		GND		
36	D8	DI 8	Digital In	

CONNECTOR "C"				
Pin	CH	Function	Type	Note
1		---		
2		GND A		
3	A31	ANA 31	0..3.3V	
4		GND A		
5	A29	ANA 29	0..3.3V	
6		GND A		
7	A27	ANA 27	0..3.3V	
8		GND A		
9	A25	ANA 25	0..3.3V	
10		GND A		
11		GND A		
12	A32	ANA 32	0..3.3V	
13		GND A		
14	A30	ANA 30	0..3.3V	
15		GND A		
16	A28	ANA 28	0..3.3V	
17		GND A		
18	A26	ANA 26	0..3.3V	
19	A2	ANA 2	0..3.3V	
20	A4	ANA 4	0..3.3V	
21	A6	ANA 6	0..3.3V	
22	A8	ANA 8	0..3.3V	
23		GND A		
24	A18	ANA 18	0..10V	
25	A20	ANA 20	0..10V	
26	A22	ANA 22	0..10V	
27	A24	ANA 24	0..10V	
28	A1	ANA 1	0..3.3V	
29	A3	ANA 3	0..3.3V	
30	A5	ANA 5	0..3.3V	
31	A7	ANA 7	0..3.3V	
32		GND A		
33	A17	ANA 17	0..10V	
34	A19	ANA 19	0..10V	
35	A21	ANA 21	0..10V	
36	A23	ANA 23	0..10V	

CONNECTOR "D"				
Pin	CH	Function	Type	Note
1		VC TC 8	-TCK/TCJ	
2		VC TC 7	-TCK/TCJ	
3		VC TC 6	-TCK/TCJ	
4		VC TC 5	-TCK/TCJ	
5		GND A		
6	A16	ANA 16	0..10V	
7	A12	ANA 12	0..10V	
8		GND A		
9		---		
10	A40	ANA 40	0..10V	
11	A39	ANA 39	0..10V	
12	A38	ANA 38	0..10V	
13	A37	ANA 37	0..10V	
14		GND A		
15	A15	ANA 15	0..10V	
16	A11	ANA 11	0..10V	
17		GND A		
18		---		
19		VC TC 4	-TCK/TCJ	
20		VC TC 3	-TCK/TCJ	
21		VC TC 2	-TCK/TCJ	
22		VC TC 1	-TCK/TCJ	
23		GND A		
24	A14	ANA 14	0..10V	
25	A10	ANA 10	0..10V	
26		GND A		
27		---		
28	A36	ANA 36	0..10V	
29	A35	ANA 35	0..10V	
30	A34	ANA 34	0..10V	
31	A33	ANA 33	0..10V	
32		GND A		
33	A13	ANA 13	0..10V	
34	A9	ANA 9	0..10V	
35		GND A		
36		---		



Connector "A" ... "D"



- LAN connection

- +12+24V Power Supply
- RS232 RX/TX 1+2
- RS485
- USB
- CAN bus 1+4
- NMEA INput

- A1+A8 - A25+A32 Analog Input 0+3.3V
- A9+A24 - A33+A40 Analog Input 0+10V
- A41+A48 Analog Input 0+32V
- F1+F3 (W1+W3) Frequency Input
- D1+D8 Digital Input ON/OFF active to GND

- DO 1+DO 8 Relay Output (NO,C)
- GND Negative Power Supply
- GND A Negative Analog Input

Rev:	Date:	Descrizione modifiche - Description of changes:	SAN GIORGIO S.E.I.N. GENOVA - ITALY		
0	15/12/19	Prima emissione	Tel. 010-8301222 - www.sangiorgiosein.com		
			UNS10195/H04 wiring diagram - Hardware type 04		
		Number:	Sheet:	Date:	Size:
		D191215	1/1	16/12/19	A3
		Compiled:	Checked:	Approved:	
		Garsi P.	Manuelli M.	Manuelli M.	

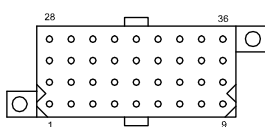
DATALOGGER UNS10195/H05: WIRING DIAGRAM

CONNECTOR "A"				
Pin	CH	Function	Type	Note
1		+12+24V A		
2		+12+24V B		
3		GND		
4		RS485 A		
5		RS232 RX 1		
6		RS232 RX 2		
7		CAN-H 1		
8		CAN-H 3		
9		USB D-		
10		+12+24V A		
11		+12+24V B		
12		GND		
13		RS485 B		
14		RS232 TX 1		
15		RS232 TX 2		
16		CAN-L 1		
17		CAN-L 3		
18		USB D+		
19		CAN GND		
20	A44	ANAB 4	0..32V	
21		GND		
22		GND		
23		GND		
24		GND		
25		CAN-H 2		
26		CAN-H 4		
27		USB 5V		
28		---		
29		EARTH		
30		EARTH		
31	A46	ANAB 6	0..32V	
32	A45	ANAB 5	0..32V	
33		NMEA IN		
34		CAN-L 2		
35		CAN-L 4		
36		USB GND		

CONNECTOR "B"				
Pin	CH	Function	Type	Note
1	DO2	DO 2B	NO Relay 2	
2	DO4	DO 4B	NO Relay 4	
3	DO6	DO 6B	NO Relay 6	
4	DO8	DO 8B	NO Relay 8	
5		+9V OUT		
6		+9V OUT		
7	D1	DI 1	Digital In	
8	D3	DI 3	Digital In	
9		---		
10	DO2	DO 2A	C Relay 2	
11	DO4	DO 4A	C Relay 4	
12	DO6	DO 6A	C Relay 6	
13	DO8	DO 8A	C Relay 8	
14	A43	ANAB 3	0..32V	
15		GND		
16	D2	DI 2	Digital In	
17	D4	DI 4	Digital In	
18	D6	DI 6	Digital In	
19	DO1	DO 1B	NO Relay 1	
20	DO3	DO 3B	NO Relay 3	
21	DO5	DO 5B	NO Relay 5	
22	DO7	DO 7B	NO Relay 7	
23	A42	ANAB 2	0..32V	
24		GND		
25	F2/A47	W 2- ANAB 7	0..10kHz/0..32V	
26	D5	DI 5	Digital In	
27	D7	DI 7	Digital In	
28	DO1	DO 1A	C Relay 1	
29	DO3	DO 3A	C Relay 3	
30	DO5	DO 5A	C Relay 5	
31	DO7	DO 7A	C Relay 7	
32	A41	ANAB 1	0..32V	
33	F1	W 1	0..10kHz	
34	F3/A48	W 3-ANAB 8	0..10kHz/0..32V	
35		GND		
36	D8	DI 8	Digital In	

CONNECTOR "C"				
Pin	CH	Function	Type	Note
1		---		
2		GND A		
3	A31	ANA 31	0..3.3V	
4		GND A		
5	A29	ANA 29	0..3.3V	
6		GND A		
7	A27	ANA 27	0..3.3V	
8		GND A		
9	A25	ANA 25	0..3.3V	
10		GND A		
11		GND A		
12	A32	ANA 32	0..3.3V	
13		GND A		
14	A30	ANA 30	0..3.3V	
15		GND A		
16	A28	ANA 28	0..3.3V	
17		GND A		
18	A26	ANA 26	0..3.3V	
19	A2	ANA 2	0..3.3V	
20	A4	ANA 4	0..3.3V	
21	A6	ANA 6	0..3.3V	
22	A8	ANA 8	0..3.3V	
23		GND A		
24	A18	ANA 18	0..3.3V	
25	A20	ANA 20	0..3.3V	
26	A22	ANA 22	0..3.3V	
27	A24	ANA 24	0..3.3V	
28	A1	ANA 1	0..3.3V	
29	A3	ANA 3	0..3.3V	
30	A5	ANA 5	0..3.3V	
31	A7	ANA 7	0..3.3V	
32		GND A		
33	A17	ANA 17	0..3.3V	
34	A19	ANA 19	0..3.3V	
35	A21	ANA 21	0..3.3V	
36	A23	ANA 23	0..3.3V	

CONNECTOR "D"				
Pin	CH	Function	Type	Note
1		VC TC 8	-TCK/TCJ	
2		VC TC 7	-TCK/TCJ	
3		VC TC 6	-TCK/TCJ	
4		VC TC 5	-TCK/TCJ	
5		GND A		
6	A16	ANA 16	0..3.3V	
7	A12	ANA 12	0..3.3V	
8		GND A		
9		---		
10	A40	ANA 40	0..32V	
11	A39	ANA 39	0..32V	
12	A38	ANA 38	0..32V	
13	A37	ANA 37	0..32V	
14		GND A		
15	A15	ANA 15	0..3.3V	
16	A11	ANA 11	0..3.3V	
17		GND A		
18		---		
19		VC TC 4	-TCK/TCJ	
20		VC TC 3	-TCK/TCJ	
21		VC TC 2	-TCK/TCJ	
22		VC TC 1	-TCK/TCJ	
23		GND A		
24	A14	ANA 14	0..3.3V	
25	A10	ANA 10	0..3.3V	
26		GND A		
27		---		
28	A36	ANA 36	0..32V	
29	A35	ANA 35	0..32V	
30	A34	ANA 34	0..32V	
31	A33	ANA 33	0..32V	
32		GND A		
33	A13	ANA 13	0..3.3V	
34	A9	ANA 9	0..3.3V	
35		GND A		
36		---		



Connector "A" ... "D"



- LAN connection

- +12+24V Power Supply
- RS232 RX/TX 1+2
- RS485
- USB
- CAN bus 1+4
- NMEA INput

- A1+A8 - A9+A24 - A25+A32 Analog Input 0+3.3V
- A33+A40 - A41+A48 Analog Input 0+32V
- F1+F3 (W1+W3) Frequency Input
- D1+D8 Digital Input ON/OFF active to GND

- DO 1+DO 8 Relay Output (NO,C)
- GND Negative Power Supply
- GND A Negative Analog Input

Rev:	Date:	Descrizione modifiche - Description of changes:	SAN GIORGIO S.E.I.N. GENOVA - ITALY		
0	15/12/19	Prima emissione	Tel. 010-8301222 - www.sangiorgiosein.com		
			UNS10195/H05 wiring diagram - Hardware type 05		
		Number:	Sheet:	Date:	Size:
		D191216	1/1	16/12/19	A3
		Compiled:	Checked:	Approved:	
		Garsi P.	Manuelli M.	Manuelli M.	

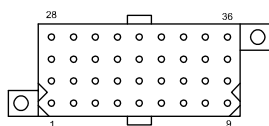
DATALOGGER **UNS10195/H06**: WIRING DIAGRAM

CONNECTOR "A"				
Pin	CH	Function	Type	Note
1		+12+24V A		
2		+12+24V B		
3		GND		
4		RS485 A		
5		RS232 RX 1		
6		RS232 RX 2		
7		CAN-H 1		
8		CAN-H 3		
9		USB D-		
10		+12+24V A		
11		+12+24V B		
12		GND		
13		RS485 B		
14		RS232 TX 1		
15		RS232 TX 2		
16		CAN-L 1		
17		CAN-L 3		
18		USB D+		
19		CAN GND		
20	A44	ANAB 4	0..32V	
21		GND		
22		GND		
23		GND		
24		GND		
25		CAN-H 2		
26		CAN-H 4		
27		USB 5V		
28		- - -		
29		EARTH		
30		EARTH		
31	A46	ANAB 6	0..32V	
32	A45	ANAB 5	0..32V	
33		NMEA IN		
34		CAN-L 2		
35		CAN-L 4		
36		USB GND		

CONNECTOR "B"				
Pin	CH	Function	Type	Note
1	DO2	DO 2B	NO Relay 2	
2	DO4	DO 4B	NO Relay 4	
3	DO6	DO 6B	NO Relay 6	
4	DO8	DO 8B	NO Relay 8	
5		+9V OUT		
6		+9V OUT		
7	D1	DI 1	Digital In	
8	D3	DI 3	Digital In	
9		- - -		
10	DO2	DO 2A	C Relay 2	
11	DO4	DO 4A	C Relay 4	
12	DO6	DO 6A	C Relay 6	
13	DO8	DO 8A	C Relay 8	
14	A43	ANAB 3	0..32V	
15		GND		
16	D2	DI 2	Digital In	
17	D4	DI 4	Digital In	
18	D6	DI 6	Digital In	
19	DO1	DO 1B	NO Relay 1	
20	DO3	DO 3B	NO Relay 3	
21	DO5	DO 5B	NO Relay 5	
22	DO7	DO 7B	NO Relay 7	
23	A42	ANAB 2	0..32V	
24		GND		
25	F2/A47	W 2- ANAB 7	0..10kHz/0..32V	
26	D5	DI 5	Digital In	
27	D7	DI 7	Digital In	
28	DO1	DO 1A	C Relay 1	
29	DO3	DO 3A	C Relay 3	
30	DO5	DO 5A	C Relay 5	
31	DO7	DO 7A	C Relay 7	
32	A41	ANAB 1	0..32V	
33	F1	W 1	0..10kHz	
34	F3/A48	W 3-ANAB 8	0..10kHz/0..32V	
35		GND		
36	D8	DI 8	Digital In	

CONNECTOR "C"				
Pin	CH	Function	Type	Note
1		- - -		
2		GND A		
3	A31	ANA 31	1..100kΩ	
4		GND A		
5	A29	ANA 29	1..100kΩ	
6		GND A		
7	A27	ANA 27	1..100kΩ	
8		GND A		
9	A25	ANA 25	1..100kΩ	
10		GND A		
11		GND A		
12	A32	ANA 32	1..100kΩ	
13		GND A		
14	A30	ANA 30	1..100kΩ	
15		GND A		
16	A28	ANA 28	1..100kΩ	
17		GND A		
18	A26	ANA 26	1..100kΩ	
19	A2	ANA 2	0..300Ω	
20	A4	ANA 4	0..300Ω	
21	A6	ANA 6	0..300Ω	
22	A8	ANA 8	0..300Ω	
23		GND A		
24	A18	ANA 18	0-300Ω	
25	A20	ANA 20	0-300Ω	
26	A22	ANA 22	0-300Ω	
27	A24	ANA 24	0-300Ω	
28	A1	ANA 1	0..300Ω	
29	A3	ANA 3	0..300Ω	
30	A5	ANA 5	0..300Ω	
31	A7	ANA 7	0..300Ω	
32		GND A		
33	A17	ANA 17	0-300Ω	
34	A19	ANA 19	0-300Ω	
35	A21	ANA 21	0-300Ω	
36	A23	ANA 23	0-300Ω	

CONNECTOR "D"				
Pin	CH	Function	Type	Note
1		VC TC 8	-TCK/TCJ	
2		VC TC 7	-TCK/TCJ	
3		VC TC 6	-TCK/TCJ	
4		VC TC 5	-TCK/TCJ	
5		GND A		
6	A16	ANA 16	0..10V	
7	A12	ANA 12	0..10V	
8		GND A		
9		- - -		
10	A40	TC 8 IN	+TCK/TCJ	
11	A39	TC 7 IN	+TCK/TCJ	
12	A38	TC 6 IN	+TCK/TCJ	
13	A37	TC 5 IN	+TCK/TCJ	
14		GND A		
15	A15	ANA 15	0..10V	
16	A11	ANA 11	0..10V	
17		GND A		
18		- - -		
19		VC TC 4	-TCK/TCJ	
20		VC TC 3	-TCK/TCJ	
21		VC TC 2	-TCK/TCJ	
22		VC TC 1	-TCK/TCJ	
23		GND A		
24	A14	ANA 14	0..10V	
25	A10	ANA 10	0..10V	
26		GND A		
27		- - -		
28	A36	TC 4 IN	+TCK/TCJ	
29	A35	TC 3 IN	+TCK/TCJ	
30	A34	TC 2 IN	+TCK/TCJ	
31	A33	TC 1 IN	+TCK/TCJ	
32		GND A		
33	A13	ANA 13	0..10V	
34	A9	ANA 9	0..10V	
35		GND A		
36		- - -		



- +12+24V Power Supply
- RS232 RX/TX 1+2
- RS485
- USB
- CAN bus 1+4
- NMEA INput

- A1+A8 - A17+A24 Analog Input 0+300Ω
- A9+A16 Analog Input 0+10V
- A25+A32 Analog Input 0+100kΩ
- A33+A40 (TC1+TC8) Analog Input Thermocouple
- A41+A48 Analog Input 0+32V
- F1+F3 (Pickup) Frequency Input
- D1+D8 Digital Input ON/OFF active to GND

- DO 1+DO 8 Relay Output (NO,C)
- GND Negative Power Supply
- GND A Negative Analog Input

Rev:	Date:	Descrizione modifiche - Description of changes:	SAN GIORGIO S.E.I.N. GENOVA - ITALY		
0	28/04/21	Prima emissione	Tel. 010-8301222 - www.sangiorgiosein.com		
			UNS10195/H06 wiring diagram - Hardware type 06		
		Number:	Sheet:	Date:	Size:
		D210428	1/1	28/04/21	A3
		Compiled:	Checked:	Approved:	
		Silvestri M.	Manuelli M.	Manuelli M.	