Base Load Power Hub (BLPH)

ULTRASONIC FLOWMETER

WIRING DIAGRAMS

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01	15/10/2024	Accepted for Construction (AFC)	BH DC	Tom Griffin	Niall Townsend
00	19/08/2024	Issue for Review (IFR)	BH DC	Tom Griffin	Niall Townsend
Rev.	Date	Description	Prepared	Reviewed	Approved

Baker Hughes

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1	Cover	X	X						
2	Table of Contents	X	X						
3	Revision / Change Log / Hold List	X	X						
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Revision / Change Log

Rev.	Description
00	Issue for Review (IFR)
01	Accepted for Construction (AFC)

HOLDS LIST

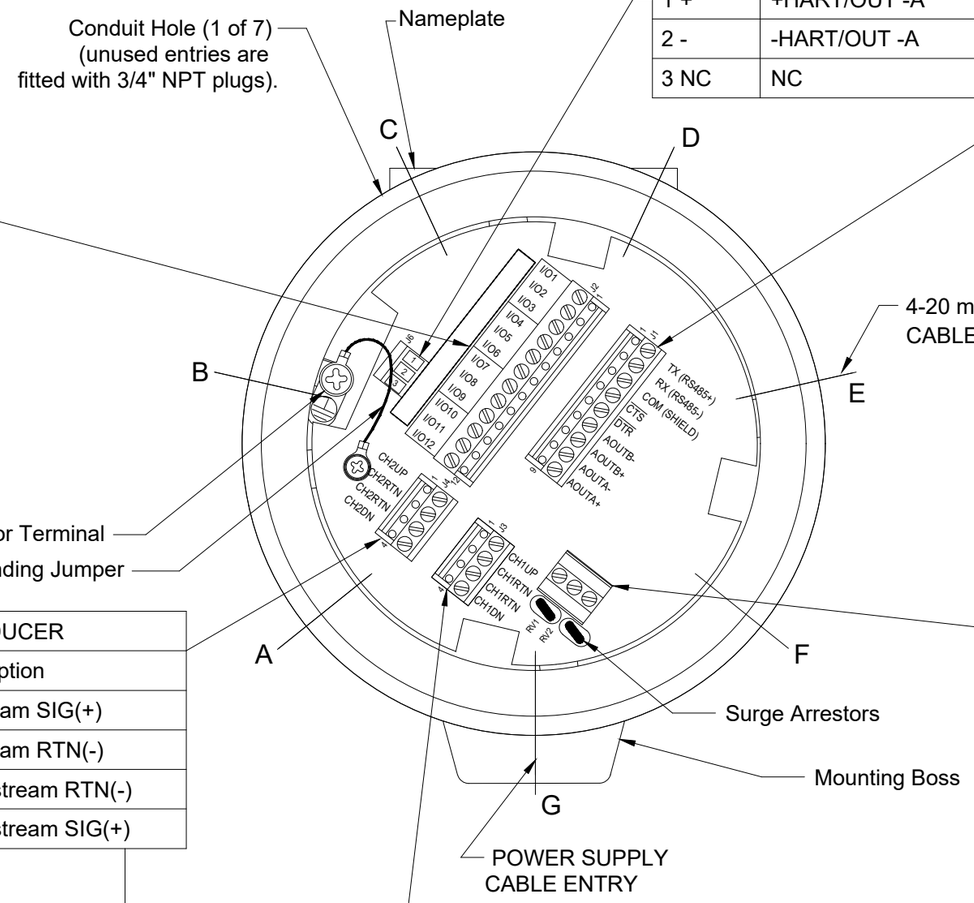
No.	Description
1.	
2.	
3.	
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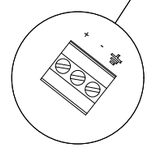
INPUT/OUTPUT CONNECTIONS	
Pin No.	Description
1 I/O1	NC
2 I/O2	NC
3 I/O3	NC
4 I/O4	NC
5 I/O5	NC
6 I/O6	NC
7 I/O7	OUT C +24V
8 I/O8	INPUT C - +
9 I/O9	INPUT C - RTN
10 I/O10	OUT D +24V
11 I/O11	INPUT D - +
12 I/O12	INPUT D - RTN

HART	
Pin No.	Description
1 +	+HART/OUT -A
2 -	-HART/OUT -A
3 NC	NC

RS232 / 4-20 OUTPUT		
Pin #	Designation	Description
1	TX(RS485+)	Transmit / +
2	RX(RS485-)	Receive / -
3	COM (SHLD)	Ground
4	$\overline{CTS}$	Clear To Send
5	$\overline{DTR}$	Data Terminal Ready
6	AOUT B-	4-20 Output 2 RTN(-)
7	AOUT B+	4-20 Output 2 SIG(+)
8	AOUT A-	4-20 Output 1 RTN(-)
9	AOUT A+	4-20 Output 1 SIG(+)

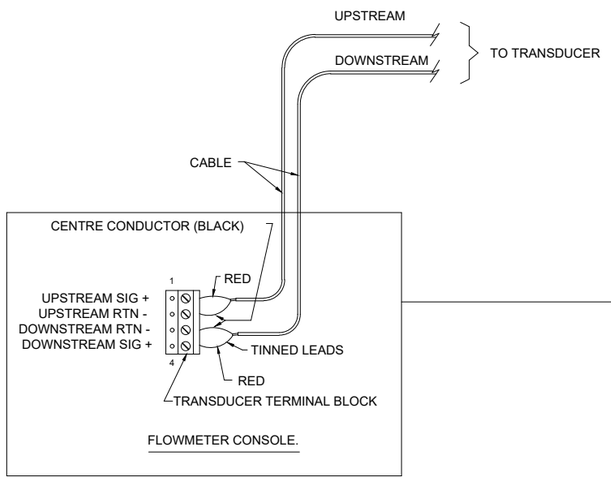


DC POWER INPUT	
12 TO 28 VDC	
Pin #	Description
1 +	LINE POSITIVE
2 -	LINE NEGATIVE
3 ⏚	NO CONNECTION



CH2 TRANSDUCER	
Pin No.	Description
1 CH2UP	Upstream SIG(+)
2 CH2RTN	Upstream RTN(-)
3 CH2RTN	Downstream RTN(-)
4 CH2DN	Downstream SIG(+)

CH1 TRANSDUCER	
Pin No.	Description
1 CH1UP	Upstream SIG(+)
2 CH1RTN	Upstream RTN(-)
3 CH1RTN	Downstream RTN(-)
4 CH1DN	Downstream SIG(+)



TRANSDUCER CONNECTION DETAIL

TAG No's :
43-FT-001

NOTE: Unit shown from rear with rear cover removed.

NOTES:
1. POWER SUPPLY SURGE PROTECTION IS IN-BUILT ON THE POWER SUPPLY BOARD.
2. TROPICALIZATION OF ELECTRONICS.

XGF868I-2-2-OI-H7-3-4-0-CC

Rev	Description of Changes	Checked	Approved	Date
-	Issued for Approval	SG	TG	12/07/24

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TITLE
INTERCONNECTION DIAGRAM
FOR XGF868i FLOWMETER
TWO CHANNEL

SCALE		SHEET	OF
NTS	DO NOT SCALE DRAWING	1	1

SIZE	DRAWING NUMBER	REV
A3	SK18027 / 1706864	-