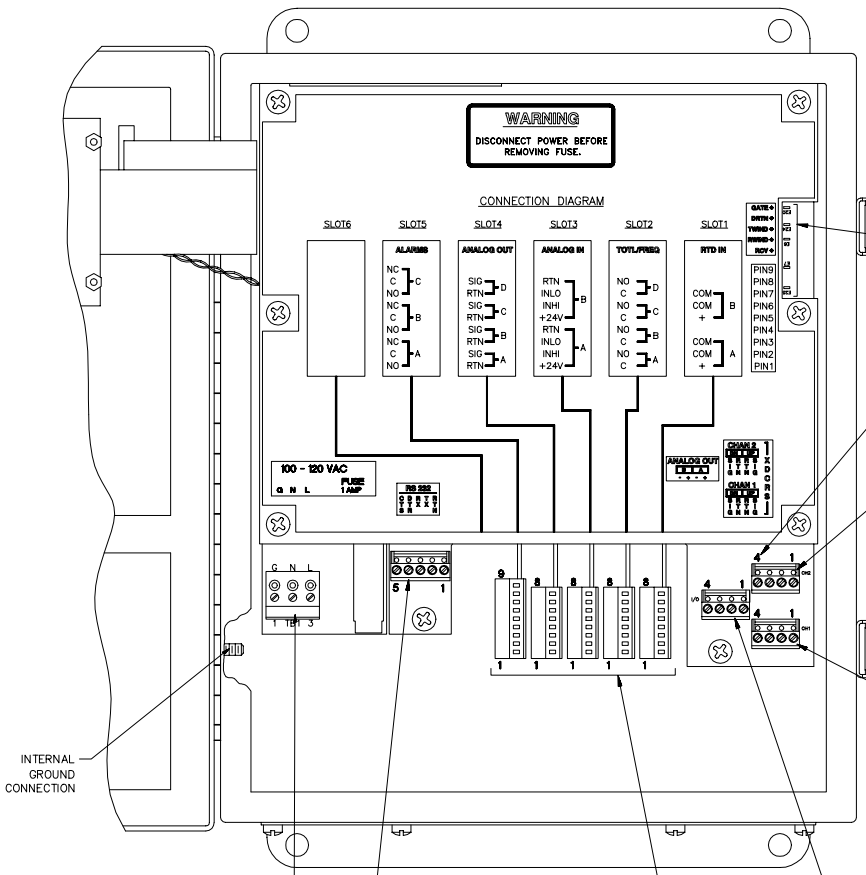
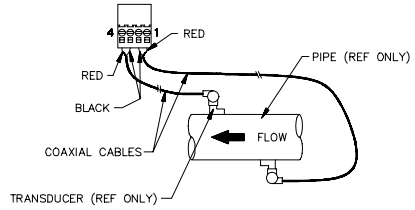
REVISIONS					
REV	ECO	DESCRIPTIONS	DWN	CKD	APVD
A	n/a	RELEASE TO ECO CONTROL	MJW 9/30/94	MPT 10/12/94	NST 10/12/94
B	01697	UPDATED PER ECO	WPM 6/8/95	MPT 6/8/95	NST 6/15/95
C	02676	UPDATED PER ECO	MJW 9/15/97		





DETAIL B

TEST POINTS
GATE
DRTN
TWIND
RWIND
RCV

PIN NUMBER (REF)

PANAMETRICS CH2 TRANSDUCER CONNECTION TERMINAL BLOCK

PIN	DESCRIPTION
1	CH2 UPSTREAM TRANSDUCER SIG (+)
2	CH2 UPSTREAM TRANSDUCER ANALOG RTN (−)
3	CH2 DOWNSTREAM TRANSDUCER ANALOG RTN (−)
4	CH2 DOWNSTREAM TRANSDUCER SIG (+)

SEE DETAIL B

PANAMETRICS CH1 TRANSDUCER CONNECTION TERMINAL BLOCK

PIN	DESCRIPTION
1	CH1 UPSTREAM TRANSDUCER SIG (+)
2	CH1 UPSTREAM TRANSDUCER ANALOG RTN (−)
3	CH1 DOWNSTREAM TRANSDUCER ANALOG RTN (−)
4	CH1 DOWNSTREAM TRANSDUCER SIG (+)

SEE DETAIL B

LINE POWER TERMINAL BLOCK

PIN	DESCRIPTION
1 G	EARTH GROUND CONNECTION
2 N	NEUTRAL CONNECTION
3 L	LINE POWER CONNECTION

RS232 TERMINAL BLOCK (TERMINAL OUT)

PIN	DESCRIPTION
1 RTN	DIGITAL RETURN
2 TX	TRANSMIT
3 RX	RECEIVE
4 DTR	DATA TERMINAL READY
5 CTS	CLEAR TO SEND

SEE DETAIL A

4–20 mA ANALOG OUTPUT TERMINAL BLOCK

PIN	DESCRIPTION
1	4–20 mA OUTPUT A SIG
2	4–20 mA OUTPUT A RTN
3	4–20 mA OUTPUT B SIG
4	4–20 mA OUTPUT B RTN

ALARM CONTACT TERMINAL BLOCK

PIN	DESCRIPTION
9	ALARM C NORMALLY CLOSED (NC)
8	ALARM C COMMON POSITION (C)
7	ALARM C NORMALLY OPEN (NO)
6	ALARM B NORMALLY CLOSED (NC)
5	ALARM B COMMON POSITION (C)
4	ALARM B NORMALLY OPEN (NO)
3	ALARM A NORMALLY CLOSED (NC)
2	ALARM A COMMON POSITION (C)
1	ALARM A NORMALLY OPEN (NO)

4–20 mA ANALOG OUTPUT TERMINAL BLOCK

PIN	DESCRIPTION
8	4–20 mA OUTPUT D SIG
7	4–20 mA OUTPUT D RTN
6	4–20 mA OUTPUT C SIG
5	4–20 mA OUTPUT C RTN
4	4–20 mA OUTPUT B SIG
3	4–20 mA OUTPUT B RTN
2	4–20 mA OUTPUT A SIG
1	4–20 mA OUTPUT A RTN

4–20 mA ANALOG INPUT TERMINAL BLOCK

PIN	DESCRIPTION
8	4–20 mA INPUT B RTN
7	4–20 mA INPUT B INLO
6	4–20 mA INPUT B INHI
5	4–20 mA INPUT B +24V
4	4–20 mA INPUT A RTN
3	4–20 mA INPUT A INLO
2	4–20 mA INPUT A INHI
1	4–20 mA INPUT A +24V

TOTALIZER/FREQUENCY TERMINAL BLOCK

PIN	DESCRIPTION
8	OUTPUT D NORMALLY OPEN (NO)
7	OUTPUT D COMMON POSITION (C)
6	OUTPUT C NORMALLY OPEN (NO)
5	OUTPUT C COMMON POSITION (C)
4	OUTPUT B NORMALLY OPEN (NO)
3	OUTPUT B COMMON POSITION (C)
2	OUTPUT A NORMALLY OPEN (NO)
1	OUTPUT A COMMON POSITION (C)

DIRECT RTD INPUT TERMINAL BLOCK

PIN	DESCRIPTION
8	N/C
7	RTD B COMMON POSITION (C)
6	RTD B COMMON POSITION (C)
5	RTD B SIGNAL (+)
4	N/C
3	RTD A COMMON POSITION (C)
2	RTD A COMMON POSITION (C)
1	RTD A SIGNAL (+)

DETAIL A – OPTIONS

THIS DRAWING IS A FACTORY MUTUAL APPROVED DESIGN AND NO CHANGE IS PERMITTED UNLESS AUTHORIZED BY FACTORY MUTUAL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ± n/a
DECIMALS .XX ± n/a .XXX ± n/a
ANGLES ± n/a

DRAWN NST 9/1/94
ENGINEER NST 10/12/94
CHECKED MPT 10/12/94
FIN 3000
MODEL NO. DF868

REV	ECO
C	02676
B	01697
A	n/a

PANAMETRICS
WALTHAM, MASS. 02154–3497

TITLE
100–120 VAC WIRING DIAGRAM, DF868

SIZE D
DRAWING NUMBER 702–180
REV C
SCALE NONE
DO NOT SCALE DWG
SHEET 1 OF 1