ONICON SYSTEM-20 BTU METER WIRING DIAGRAM

FOR CONNECTION WITH ONICON F-4600 SERIES
INLINE ULTRASONIC FLOW METERS

FLOW METER SIGNAL CONNECTIONS

SYS-20

TB 9

TB9 FLOWMETER

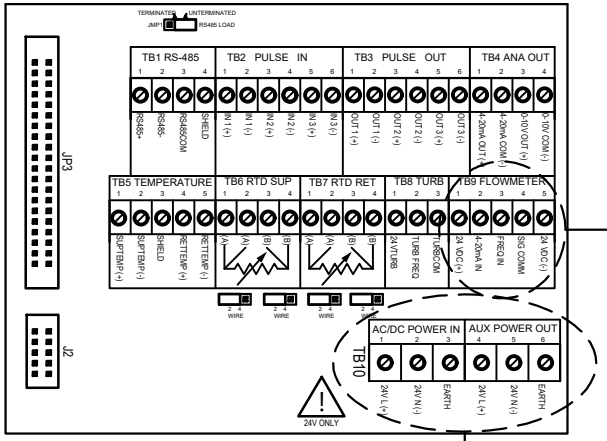
5	24 VDC (-)
4	SIG COMM
3	FREQ IN
2	4-20mA IN
1	24 VDC (+)

2

BROWN (-) COMMON

BLUE (+) 4-20mA OUTPUT

3



SYS-20 INTERNAL CIRCUIT BOARD

4

FLOW METER POWER CONNECTIONS

2

BLACK (-) COMMON

RED (+) INPUT POWER

AUX POWER OUT 6	EARTH
AUX POWER OUT 5	24V N (-)
AUX POWER OUT 4	24V L (+)
AC/DC POWER IN 3	EARTH
AC/DC POWER IN 2	24V N (-)
AC/DC POWER IN 1	24V L (+)

TB10

CLASS 2 TRANSFORMER 1

24 VAC/DC (-)

24 VAC/DC (+)

KEYED NOTES:

1. PROVIDE A CLASS 2 POWER SUPPLY WITH SUFFICIENT POWER FOR THE CONNECTED FLOW METER:
   - 24 VAC @ 1000 mA, 24 VA
   - 24 VDC @ 500 mA, 12 W
2. FACTORY WIRE COLORS ARE IDENTIFIED FROM THE FLOW METER. DO NOT REMOVE FACTORY CABLE.
3. REFER TO F-4600 SERIES IOM FOR ADDITIONAL WIRING INFORMATION.
4. REFER TO SYS-20 IOM FOR ADDITIONAL WIRING INFORMATION.

ONICON
Flow and Energy Measurement

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