REVISIONS			
REV.	DESCRIPTION	DATE	DRAWN BY

Function	label	Color, US	Color, IEC
Protective ground	PG	bare, green, or green-yellow	green-yellow
Neutral	N	white	blue
Line, single phase	L	black or red (2nd hot)	brown

Weighted Count Option
Cut, Heat Shrink, &
Leave in Wire Tray

BLUE
BLACK

RED RED RED RED BLACK BLACK BLACK BLACK BLACK

SDP_1-24-100T

11333 11333 11333

PLC-BSC-24DC/21
No.2961105

Alarm
CR138
A2 A1
CR138-1 CR138-2
12 NC
11 COM
14 NO

RED 24VDC
RED 24VDC
RED 24VDC
RED 24VDC
BLACK 24COM
BLACK 24COM
BLACK 24COM
BLACK 24COM
BLUE WCNT
DOUT2

24VDC RED
24VDC RED
24VDC RED
24VDC RED
24COM BLACK
24COM BLACK
24COM BLACK
24COM BLACK
WCNT BLUE
DOUT2 PURPLE

4-20MA- GREEN
4-20MA+ YELLOW

RATE(-) BROWN
RATE_OUT BLUE
RATE(+) ORANGE

TBD TBE TBF

Y/G WHITE BLACK

Ground Lug

NOTE 3

WHITE BLACK Y/G
N L PG

Knife Disconnect
Knife Disconnect
PG

Note 7

AC Power
Field Side
Note 1

Input Voltage: 115/230 VAC
Input Current: 0.7A / 0.4A
Input Frequency: 47-63 Hz

YELLOW 4-20MA+
GREEN 4-20MA-
ORANGE RATE(+)
BLUE RATE_OUT
BROWN RATE(-)

PURPLE DIN2
BLACK 24COM

DIN2
24COM

98416

SHIELD BLK WHT RED GRN BLU GLD
10258

Note 7

RED BLACK — 1. +24VDC, 2. 24COM — Local Power
3. WC N.C. OUT, 4. WC COM OUT, 5. WC N.O. OUT — Weighted Count — NOTE 5 NOTE 8
RED PURPLE — 6. SWITCH IN, 7. SWITCH IN — Remote Reset — NOTE 6
GRAY WHITE — 8. N.C. OUT, 9. COM OUT — Alarm — NOTE 5
GRAY — 10. N.O. OUT
YELLOW GREEN — 11. 4-20 mA (+), 12. 4-20 mA (-) — 4-20mA — NOTE 4
ORANGE BLUE — 13. RATE(+), 14. RATE OUT — Frequency, Flow Rate Proportiona
BROWN — 15. RATE (-)
SHIELD — 16. SHIELD
BLK — 17. EXC (-) BLK
WHT — 18. SIG (+) WHT
RED — 19. SIG (-) RED
GRN — 20. EXC (+) GRN — Transducer In

PG
Note 7.

DCE
Rev B

RJ11
8 RS4853
7 RS4852
6 RS4851
5 RS4850
4
3
2
1
RS485 MODBUS

RS485[0:3]
98414

TBA TBB TBC

BLU GRN RED WHT BLK GLD

PURPLE
BLACK

98415

DOOR

POWER SUPPLY

HMI

RJ11
8 RS4853
7 RS4852
6 RS4851
5 RS4850
4
3
2
1
RS485 MODBUS

Ground Strap

NOTES:

1. 15 Amp overcurrent protection maximum rating
2. AWG 14 used for AC power only
3. Y/G - YELLOW GREEN
4. 4-20mA current loop (SOURCE)
5. Relay Contact Ouput
6. N.O. Switch Input
7. DIN Rail to Ground Plane to PG (Earth Ground)
8. Weighted Count (WC) Option

COMPANY: Eastern Instruments			
TITLE: DCE Panel, Passive, Rev B PCB, CV			
CODE:	SIZE: B	DRAWING NO: SD-6250-05G	REV: 0
DRAWN: RSB		DATED: MAR-02-2011	SHEET: 1 OF 1