



ISO 9001:2015 Certified

SAHYADRI ELECTRO CONTROLS (I) PVT. LTD.

SECO



DIGITAL COUNTER - 8 CHANNEL (TYPE : SDC 8C)

10, VINAY COMPLEX, 1ST CROSS, RAJGOPAL NAGAR MAIN ROAD, GANAPATHI NAGAR,
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SAHYADRI (SECO) make **Four Channel Counter (TX & RX – 2 input per channel) – SDC 8C** is an unique device designed with advance technology Microcontroller. This product is user friendly with universal application like complex counting. The SDC-8C series eight channel is widely accepted in packing, Pharmaceutical, textile Industries and also used in Substation SCADA communication & other applications.

FEATURES:-

- Microcontroller based design
- Seven segment Display
- 4 Digit counter with 8 channels
- With SMPS power supply – Wide range
- Each channel will have Tx & Rx input
- Suitable for 110V DC & 220V DC
- Suitable for 8 millisecond & 4 millisecond input pulse
- Modular type
- Standard Meter size

TECHNICAL SPECIFICATIONS:-

- **Channels:** 4 Channels – each will have two inputs (RX & TX)
 - **Aux. supply:** 48V DC - Range – 36 to 100V DC
 - **Input:** Potential input pulse – Suitable for 110V & 220V DC
Selection by Dip switches – each input can be selectable
 - **Pulse input – 110V:** 88V to 132V +/- 2V DC Counter stops below 80V +/- 5 V
 - **Pulse input – 220V DC:** 176 to 264 V +/- 2V DC Counter stops below 165V +/- 5V
 - **Pulse input time setting:** 8 millisecond ON & 250 millisecond OFF
4 millisecond ON & 250 millisecond OFF
 - **Range:** 9999 counts
 - **Display:** 4 Digit high bright 7 segment display
 - **Accuracy:** +/- 1 m Sec
 - **Remote Reset:** Terminal provided for external push buttons
 - **Memory:** Inbuilt memory to store the previous pulses for power failure
 - **Box:** 96 x 96 Sq. mm
 - **Panel cutout:** 92 x 92 mm
 - **Depth:** 120 mm
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TERMINAL DETAILS FOR INPUT TERMINALS:-

C : COMMON TERMINAL FOR PULSE INPUT

CA - Tx1: INPUT FOR 1st CHANNEL - Tx1DISPLAY

CA - Rx1 : INPUT FOR 1st CHANNEL - Rx1DISPLAY

CB - Tx2 : INPUT FOR 2nd CHANNEL - Tx2 DISPLAY

CB - Rx2 : INPUT FOR 2nd CHANNEL - Rx2 DISPLAY

CC - Tx3 : INPUT FOR 3rd CHANNEL - Tx3 DISPLAY

CC - Rx3 : INPUT FOR 3rd CHANNEL - Rx3 DISPLAY

CD - Tx4 : INPUT FOR 4th CHANNEL - Tx4 DISPLAY

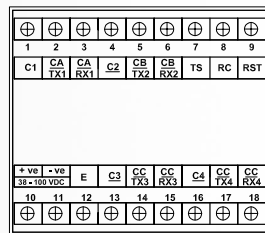
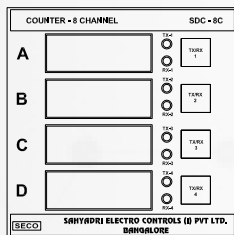
CD - Rx4 : INPUT FOR 4th CHANNEL - Rx4 DISPLAY

RC - RST = Reset terminal for external Push Button – Normally open PB

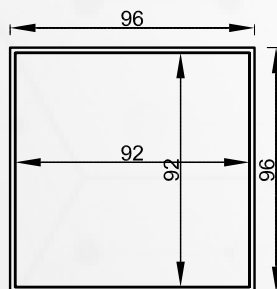
TS - RC : Open for 8 milliseconds Pulse input

TS - RC : Short for 4 milliseconds pulse input

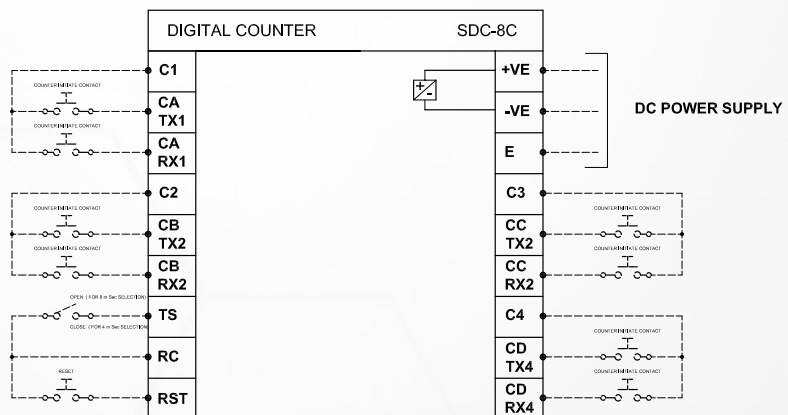
WIRING DIAGRAM



TERMINAL	DESCRIPTION
1	COMMON
2	CA - TX1 (V+)
3	CA - RX1 (V-)
4	CB - TX2 (V+)
5	CB - RX2 (V-)
6	CC - TX3 (V+)
7	CC - RX3 (V-)
8	CD - TX4 (V+)
9	CD - RX4 (V-)
10	RC - RST
11	TS
12	COMMON
13	CA - TX1 (V+)
14	CA - RX1 (V-)
15	CB - TX2 (V+)
16	CB - RX2 (V-)
17	CC - TX3 (V+)
18	CC - RX3 (V-)
19	CD - TX4 (V+)
20	CD - RX4 (V-)
21	RC - RST
22	TS



PANEL CUTOUT - 92X92 mm
BEZZEL - 96X96 mm



TYPICAL WIRING DIAGRAM

ALL DIMENSIONS ARE IN MM.

DRAWN BY	HSV	REV. NO.	0	ISSUED ON	15.12.19		DRAWING TITLE: APPLICATION DIAGRAM OF 4 / 8 CHANNEL DIGITAL COUNTER	DRG NO. SECO/AD/SDC-8C	SH.NO	01	SECO
APPD. BY	BSM			DRAWN ON	15.12.19				CONTD.	-	

SIDE VIEW



BACK VIEW



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