

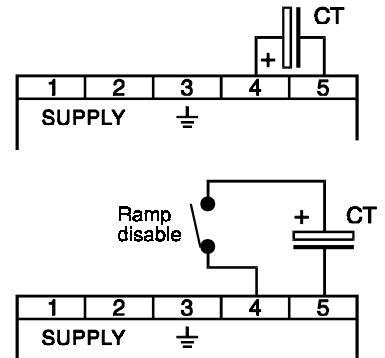
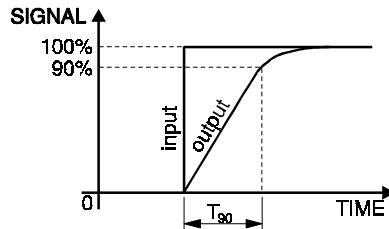
## Output Options: Ramp, Auxiliary Supply BSC133

### Output Option 1: Ramp Output.

Timing capacitor CT is selected to achieve the desired ramp time.

#### TIMING CAPACITOR CT SELECTION

CT	T <sub>90</sub> TIME
2µF	1 sec
22µF	5 sec
47µF	10 sec
100µF	20 sec
147µF	30 sec



T<sub>90</sub> time is defined as follows:

FOR AN INPUT STEP OF 0 - 100%, THE OUTPUT RAMPs UP TO 90% IN 'T<sub>90</sub>' SECONDS (e.g. 18.4mA for 4 - 20mA input signal).

Capacitor CT can be an Electrolytic capacitor or tantulum, minimum voltage 16V.

### Output Option 6: Auxiliary 24Vdc Supply For 3-Wire Input.

$$R \text{ load max} = \frac{23 - U_T}{0.02} (\Omega)$$

$U_T$  = Voltage drop across loop powered instrument (12V typically).

