

DISTRIBUTOR

DTP - C 1 0

Use

Supplies electrical power to a 2-wire transmitter receives a DC4-20mA signal from the transmitter and outputs a proportional DC signal.(DC1-5V)

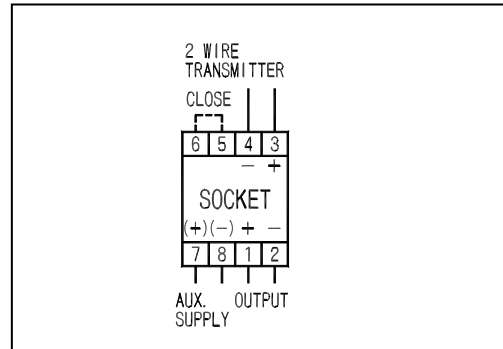


DTP-C102
(80 × 50 × 121mm/650g)

Features

1. Supplies power to a 2-wire transmitter, receives a current output (DC4-20mA) from the transmitter and outputs a proportional DC signal (DC1-5V) by a precise resistance (250Ω)
2. Short-circuit protection function for transmitter circuit (30mA).
3. Supplies a 2-wire transmitter with a stable power source.
4. Impulse withstands voltage 5kV, 1.2/50μs (between electric circuit and outer case) positive/negative polarity 3 times each is guaranteed.

Connection diagram



Specification

Input (input resistance)	Output (load resistance)	Auxiliary supply	Common specification
<input type="checkbox"/> DC4-20mA (approx.250)	<input type="checkbox"/> DC1-5V (250k)	<ol style="list-style-type: none"> 1 : AC100V±10%, 50/60Hz 2 : AC110V±10%, 50/60Hz 3 : AC200V±10%, 50/60Hz 4 : AC220V±10%, 50/60Hz 0 : other than those above DC power source is not manufacturable.	Tolerance: ± 0.5% Response time: 0.5sec./99% 2-wire transmitter power source: DC24—28V (when there is no load) Current capacity: DC22mA MAX Output impedance: approx. 250Ω Allowable load resistance: 250k Weight: 650g Consumption VA: 2VA

* There is no input/output specification for DTP. Please specify auxiliary supply only.

Built-in ripple filter

Even if a ripple of single-phase AC full rectification wave (50/60Hz) degree is included in input wave, it still converts the wave into a smoothed DC signal.

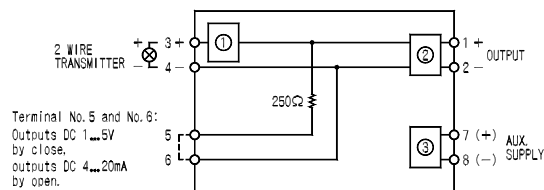
Withstand voltage

- Between input/output/power source:
AC1, 500V for 1 min,
- Between electric circuit and outer case:
AC1, 500V for 1 min,

Insulation resistance

- Between input/output/power source:
50M (at DC500V)
- Between electric circuit and outer case:
50M (at DC500V)

Block diagram



Power shedding circuit
Output circuit
Insulated power source circuit

Purchase specifications

