

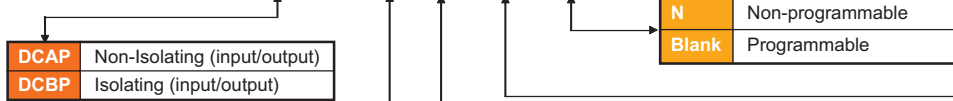
COMPACT PROGRAMMABLE DC TRANSMITTER



FEATURES

- Input and output range programmable with internal DIP switches
- Accuracy 0.1% F.S.
- 3-way isolation, input/output/power (optional)
- Optical isolation with 2KVac/1 min for Input/output (optional)

1. MODEL: PF-



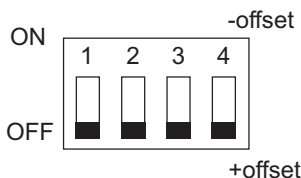
NO	Input Ranges	Voltage	NO	Input Ranges	Current	NO	Output Range Voltage/Current	NO	Aux.Power
10	0 ~ 10	mV	30	0 ~ 200	μA	A	0 ~ 0.5 V	1	AC 90V~240V±10 %
11	0 ~ 20	mV	31	0 ~ 500	μA	B	0 ~ 1 V	2	DC 24V~70V±10 %
12	0 ~ 50	mV	32	0 ~ 1	mA	C	0 ~ 2 V	3	DC 110V±10 %
13	0 ~ 100	mV	33	0 ~ 2	mA	D	0 ~ 4 V	4	DC 220V±10 %
14	0 ~ 200	mV	34	0 ~ 5	mA	E	0 ~ 5 V	5	DC/AC 24V±10 %
15	0 ~ 500	mV	35	1 ~ 5	mA	F	1 ~ 5 V	9	SPECIFIED
16	0 ~ 1	V	36	0 ~ 10	mA	G	0 ~ 8 V		±10 % of rate, less 4.7VA for AC switching input ±10 % of rate, less 4W for DC input
17	-1 ~ +1	V	37	2 ~ 10	mA	H	0 ~ 10 V		
18	0 ~ 2	V	38	0 ~ 20	mA	I	2 ~ 10 V		
19	0 ~ 5	V	39	4 ~ 20	mA	J	0 ~ 1 mA		
20	1 ~ 5	V	40	0 ~ 50	mA	K	0 ~ 2 mA		
21	-5 ~ +5	V	41	10 ~ 50	mA	L	0 ~ 5 mA		
22	0 ~ 10	V	42	20 ~ 4	mA	M	1 ~ 5 mA		
23	2 ~ 10	V	43	50 ~ 10	mA	N	0 ~ 10 mA		
24	-10 ~ +10	V	44	*4 ~ 20	mA	O	0 ~ 16 mA		
25	0 ~ 20	V	99	SPECIFIED		P	0 ~ 20 mA		
26	0 ~ 100	V		* 20~4mA & 50~10mA be reversed of input connection		Q	4 ~ 20 mA		
27	0 ~ 200	V		* Exciting DC 24V(Two wires)		R	SPECIFIED		

2. Specification

- Accuracy : 0.1% F.S. (23±5°C)
- Output ripple (p-p) : <0.1% F.S.
- Temp. coefficient : 100ppm/°C (0-50°C)
- Input resistance : ≥10KΩ (≤2V ranges)
≥1MΩ (>2V ranges)
≤15Ω (current input)
- Maximum input : ≤300Vrms (>2V ranges)
≤150Vrms (≤2V ranges)
≤120mA (current input)
- Exciting voltage : DC 24±1.5V (≤60mA)
- Power consumption : ≤4.7VA (AC power) , ≤4W(DC power)
- Dielectric strength : 1.5KVac/1 min. (power/input/output)
- Output drive capability : ≤20mA for voltage mode
≤14V for current mode
- Response time : ≤200ms (0~90%)
- Operating condition : 0~55°C (humidity 20~95% RH non-condensed)
- Storage condition : 0~70°C (humidity 20~95% RH non-condensed)

3. Function switches (S1, S2, S3, S4)

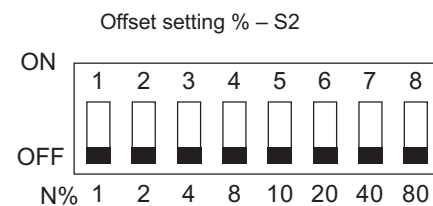
- S1 → Input range & offset polarity selection



Effective input range D	S1 pole 1-2-3	Pregain G
200 V ≥ D > 20 V	0-1-1	0.01
20 V ≥ D > 2 V	0-0-1	0.1
2 V ≥ D > 200 mV	0-0-0	1
200 mV ≥ D > 20 mV	1-0-1	10
20 mV ≥ D > 2 mV	1-0-0	100
50 mA ≥ D > 5 mA	1-1-1	1
5 mA ≥ D > 500 μA	1-0-1	10
500 μA ≥ D > 50 μA	1-0-0	100

(Status — P1-P2-P3— on = 1; off=0)

- S2 → Input range offset (ZERO) selection



Status off = enable
All poles off ΣN=165%
All poles on ΣN=0%