



POTENTIO ISOLATION CONVERTER

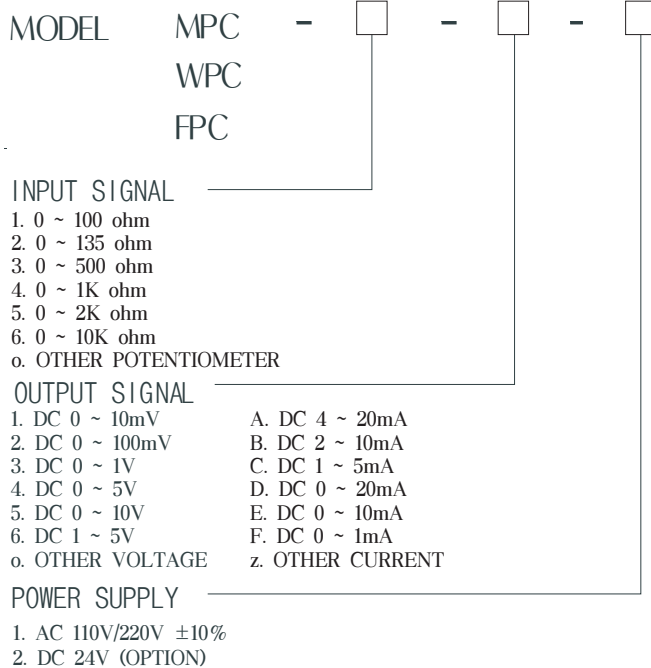
MPC/WPC/FPC SERIES

The potentiometer isolation converter Model MPC/WPC/FPC accepts any potentiometer value of 100 ohms up to 10K ohms and provides a proportional DC output. Minimal interaction between zero and span adjustments.



□ MODEL MPC(1 OUT)

□ MODEL WPC(2 OUT)

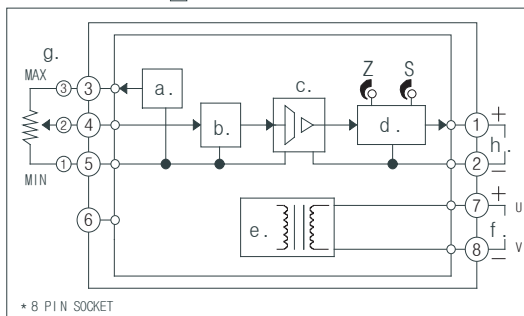


SPECIFICATION

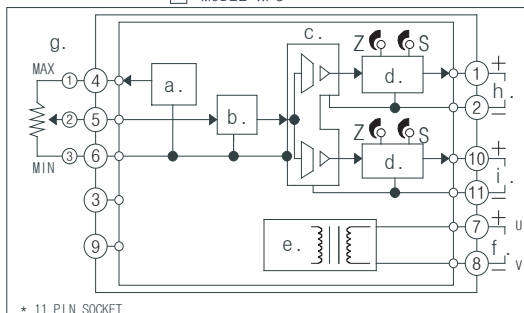
ITEM	SPECIFICATIONS
INPUT	POTENTIOMETER RESISTANCE (FROM 100 ohm TO 10K ohm)
OUTPUT	DC VOLTAGE OR DC CURRENT SIGNAL
ACCURACY	$\pm 0.2\%$ of F.S
LINEARITY	$\pm 0.1\%$ of F.S
REPEATABILITY	$\pm 0.1\%$ of F.S
RESPONSE TIME	LESS THAN 0.5sec(0 ~ 90%)
INSULATION RESISTANCE	GREATER THAN 100M ohm (DC 500V)
DIELECTRIC STRENGTH	INPUT-POWER AC 1000V INPUT-OUTPUT AC 1000V (1 MIN) INPUT-GND AC 1000V
AMBIENT TEMPERATURE	-5 ~ +60°C
HUMIDITY	LESS THAN 90% RH

BLOCK DIAGRAM & CONNECTIONS

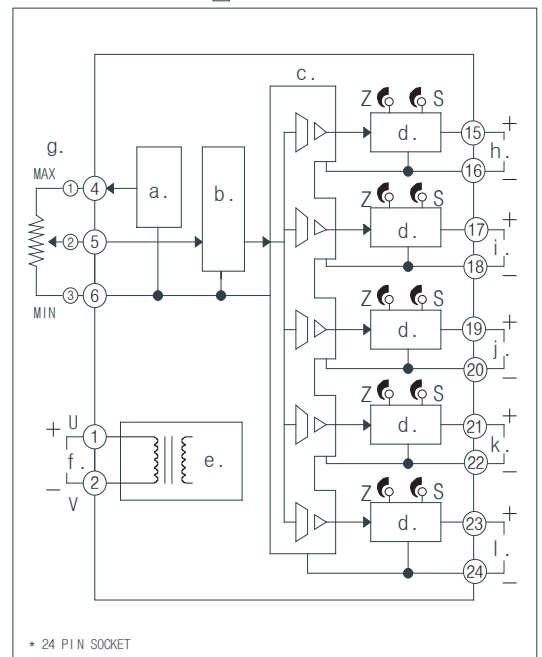
□ MODEL MPC



□ MODEL WPC



□ MODEL FPC



- a. REFERENCE VOLTAGE GENERATOR
- b. LOW DRIFT AMPLIFIER
- c. ISOLATION
- d. OUTPUT DRIVER
- e. POWER
- f. POWER SOURCE
- g. POTENTIOMETER
- h. OUTPUT 1
- i. OUTPUT 2
- j. OUTPUT 3
- k. OUTPUT 4
- l. OUTPUT 5