

# FIELD CONFIGURABLE UNIVERSAL TRANSMITTER

DFC - SERIES

## ■ FEATURE

- Multi input (T/C, RTD, DC V, DC mA, 2wire 4~20mA)
- 1&2 Isolated output
- Bar graph display (10-dot green LED)
- PC configurable
- Free voltage power (AC85~264V)
- CE Approved

## Contents



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# General Specifications

## FIELD CONFIGURABLE UNIVERSAL TRANSMITTER



The Converter is a high accurate converter having two built-in analogue outputs of insulated current and voltage as receiving various types of input signals such as temperature, flow and pressure. Especially, it can be widely used with a computer or portable input device for setting up the range of input or output from 0% to 100%, and it shows the output condition with a bar-graph indicator on the front.

### SPECIFICATIONS

ITEMS	DESCRIPTIONS		
INPUT	MULTI INPUT (T/C, RTD, mV, V, mA, X' TR)		
SUPPLY CURRENT TO Pt BULB	DC 200 $\mu$ A		
RTD Max. Lead Resistance	Less than 10 $\Omega$		
OUTPUT	DC Current or DC Voltage signal		
ACCURACY	T/C TYPE : $\pm 0.25\%$ of Full Scale (Accuracy is not guaranteed between 0 and 339 $^{\circ}$ C for type R, S, B, -200 $^{\circ}$ C and -100 $^{\circ}$ C for type T)		
	RTD TYPE : $\pm 0.2\%$ of Full Scale		
	DC TYPE : $\pm 0.1\%$ of Full Scale		
	TEMP. COEFFICIENT	$\pm 0.015\%$ / $^{\circ}$ C	
OUTPUT RATING SUPPLY TO X' TR	DC 24V 30mA		
BURN OUT	Specify any of up scale or down scale		
DISPLAY	10 dot green LED		
CJC - TEMPERATURE COMPENSATION ERROR	Within $\pm 1.0^{\circ}$ C (from 0 $^{\circ}$ C~50 $^{\circ}$ C)		
INSULATION RESISTANCE	Greater than 100M $\Omega$ at DC 500V		
DIELECTRIC - STRENGTH	Input - Output, Power	AC 1,500V	1 Minute
	Output - Power	AC 1,500V	
	Input1 - Output2	AC 1,000V	
POWER SUPPLY	AC 85~264V, 50~60Hz (Rating 100~240V), Less than 7VA		
AMBIENT - TEMP	0 ~ +50 $^{\circ}$ C ( 32 ~ 122 $^{\circ}$ F )		
HUMIDITY	45 ~ 80% RH ( no condensation )		
CASE MATERIAL	ABS		
COLOR	Black		
WEIGHT	About 250g		
DIMENSION	W50X H80 X D137mm		
MOUNTING	DIN RAIL		

### OUTPUT LOAD RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
DC 4~20mA	Less than 600 $\Omega$
DC 1~5V	More than 2.5K $\Omega$
DC 0~10V	More than 5K $\Omega$

### ORDERING CODE

MODEL : DFC -     -

- TYPE  
B . Bar-Graph display
- INPUT SIGNAL  
See Input Table
- OUTPUT1 SIGNAL  
7 . 4~20mA DC  
D . 0~5V DC  
E . 0~10V DC  
F . 1~5V DC
- OUTPUT2 SIGNAL  
N . None  
Same Range Available as OUTPUT 1
- POWER SUPPLY  
1 . AC 85V~264V

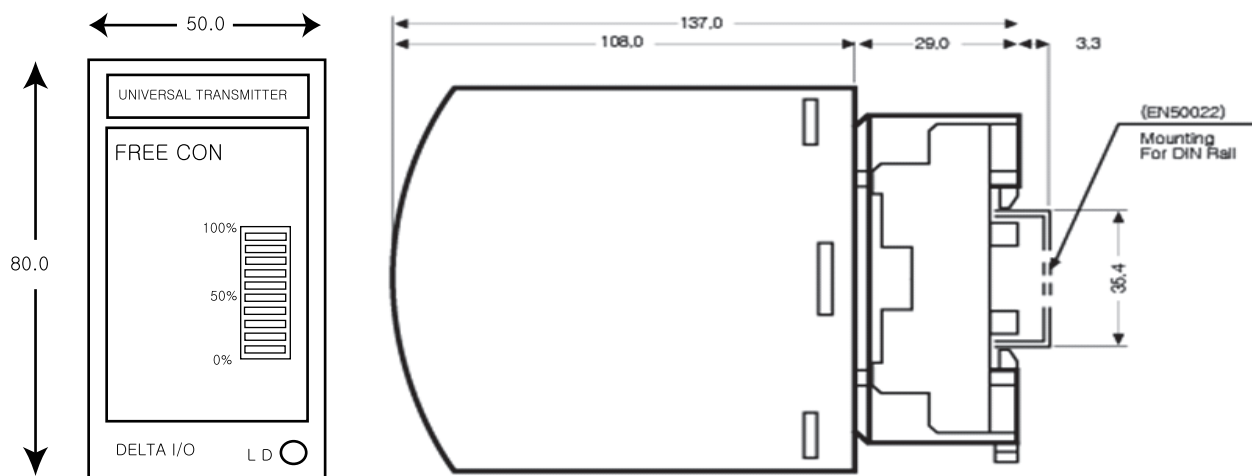
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### INPUT TABLE

P, JPt 100Ω	3, DC 0 ~ 1V
D, Pt 100Ω	4, DC 0 ~ 5V
K, K Type	5, DC 0~10V
J, J Type	6, DC 1~5V
R, R Type	7, DC 4~20mA
S, S Type	8, DC 4~20mA DC 24V (2-Wire)
B, B Type	0, Others
E, E Type	
T, T Type	
N, N Type	

### EXTERNAL DIMENSIONS(mm)



### REAR TERMINAL

