

# CURRENT TRANSDUCERS

## CURRENT TRANSDUCER/TRANSFORMER

## MODEL AT & ATR

### FEATURES

- The AT & ATR series of AC Current Transducers provide a proportional analog output. Average responding (AT) and true RMS (ATR) designs are available.
- Jumper selectable input ranges
- Magnetically isolated output
- Available in solid or split-core designs
- UL/CE Approved



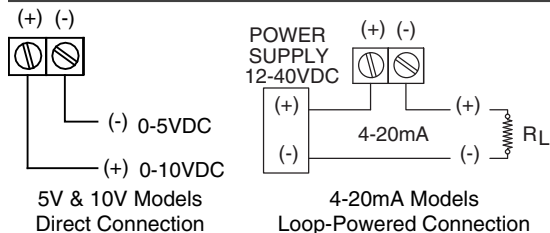
### MODELS AVAILABLE

Average RMS Responding			
SPLIT-CORE (SP)			
AC Input (Jumper Selected)	*4-20mA Output	**0-5V Output	**0-10V Output
0-2 0-5	AT0-420-24L-SP	N/A	N/A
0-10 0-20 0-50	AT1-420-24L-SP	AT1-005-000-SP	AT1-010-000-SP
0-100 0-150 0-200	AT2-420-24L-SP	AT2-005-000-SP	AT2-010-000-SP
SOLID CORE (FT)			
AC Input (Jumper Selected)	*4-20mA Output	**0-5V Output	**0-10V Output
0-2 0-5	AT0-420-24L-FT	N/A	N/A
0-10 0-20 0-50	AT1-420-24L-FT	AT1-005-000-FT	AT1-010-000-FT
0-100 0-150 0-200	AT2-420-24L-FT	AT2-005-000-FT	AT2-010-000-FT
True RMS 4-20mA Output			
SPLIT-CORE (SP)		SOLID CORE (FT)	
AC Input (Jumper Selected)	*4-20mA Output	AC Input (Jumper Selected)	*4-20mA Output
0-2 0-5	ATR0-420-24L-SP	0-2 0-5	ATR0-420-24L-FT
0-10 0-20 0-50	ATR1-420-24L-SP	0-10 0-20 0-50	ATR1-420-24L-FT
0-100 0-150 0-200	ATR2-420-24L-SP	0-100 0-150 0-200	ATR2-420-24L-FT

### SPECIFICATIONS

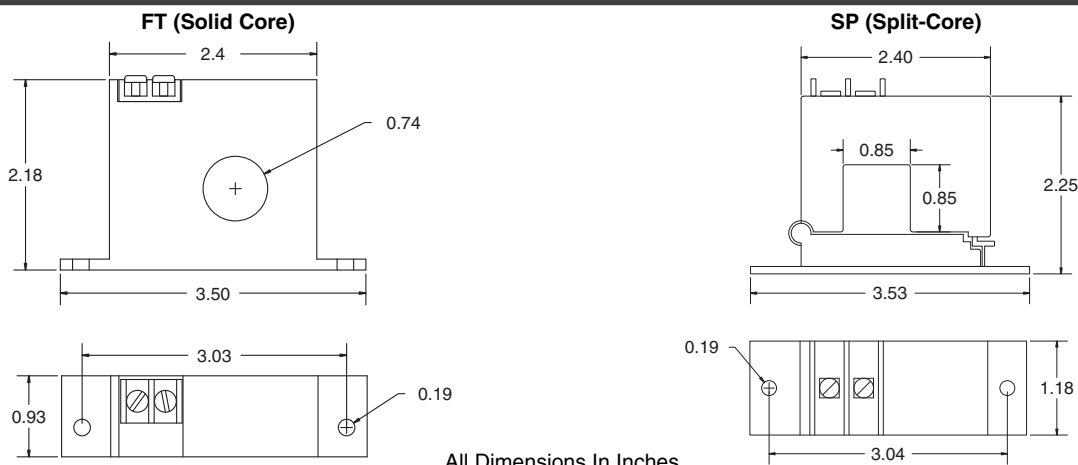
Current Range ..... See Table  
 Frequency .....  
 ATx-005 or 010 ..... 50-60Hz  
 ATx-420 ..... 20-100Hz  
 ATRx-420 ..... 10-400Hz  
 Isolation Voltage ..... 1270Vac (Tested to 5Kv)  
 Temp. Range ..... -20°C to +50°C  
 Humidity Range ..... 0-95% RH, Non-Condensing  
 Accuracy ..... 1.0% F.S.  
 Response Time  
 ATx-005 or 010 ..... 100 ms  
 ATx-420 ..... 300 ms  
 ATRx-420 ..... 600 ms  
 Supply Voltage  
 ATx-005 or 010 ..... Self-Powered  
 ATx-420 ..... 12-40Vdc Loop Powered  
 ATRx-420 ..... 12-40Vdc Loop Powered

### CONNECTIONS



\*4-20mA Models are Loop-Powered (12-40Vdc)  
 \*\*0-5V & 0-10V Output Models are Self-Powered

### DIMENSIONS



**FLEX-CORE®**  
 Div. Morlan & Associates, Inc.  
 6625 McVey Blvd. Columbus, Ohio 43235

[WWW.FLEX-CORE.COM](http://WWW.FLEX-CORE.COM)  
 sales@flex-core.com

PHONE (614) 889-6152  
 TECH. ASSISTANCE (614) 876-8308  
 FAX # (614) 876-8538

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