

# ZM AHRV Series

## 20 VA - 100 VA MULTI CONNECT WIRE AND QUICK CONNECT CLASS 2 UL 1585 TRANSFORMER

### FEATURES

- 20VA - 100 VA
- Compact frame size
- 50/60 Hz
- Input voltages 115 - 575 VAC, output 2.5 - 24 V
- Terminations with quick-connect
- Foot-Mount, Panel-Mount, Multimount
- Customization for wire length, color, terminations and other customer requirements
- Internal and external circuit protection
- Split bobbin design
- Class B insulation system 130°C rated
- UL/CUR File E214561



### GENERAL DATA

<b>Mounting Options</b>	Foot Mount, Panel-Mount, Bracket Multi Mount Adapter Plate
<b>Quick Connect Options</b>	QW - QC and Wire, Q1-QC One Side, Q2 - QC Both Sides, QT - QC Top
<b>Quick Connect Size</b>	Standard .250" x .032"
<b>Frequency</b>	50/60 Hz
<b>Insulation System</b>	130°C Class B

### WIRE LEAD DETAILS

	Voltage	Color	Length(mm)	Strip(mm)
Primary	COM	Black	300	10
	120	White	300	10
	208	Red	300	10
	240	Orange	300	10
	277	Brown	300	10
	480	Black/Red	300	10
	575	Grey	300	10
Secondary	12	Violet	300	10
	24	Blue	300	10
	COM	Yellow	300	10

\*Standard wire colors: consult factory for specific wire color and length requirements.

### NOTES

Customization allowed for termination and mounting without affecting UL.

AHRV Product Catalog Rev. Date : 8/13/14



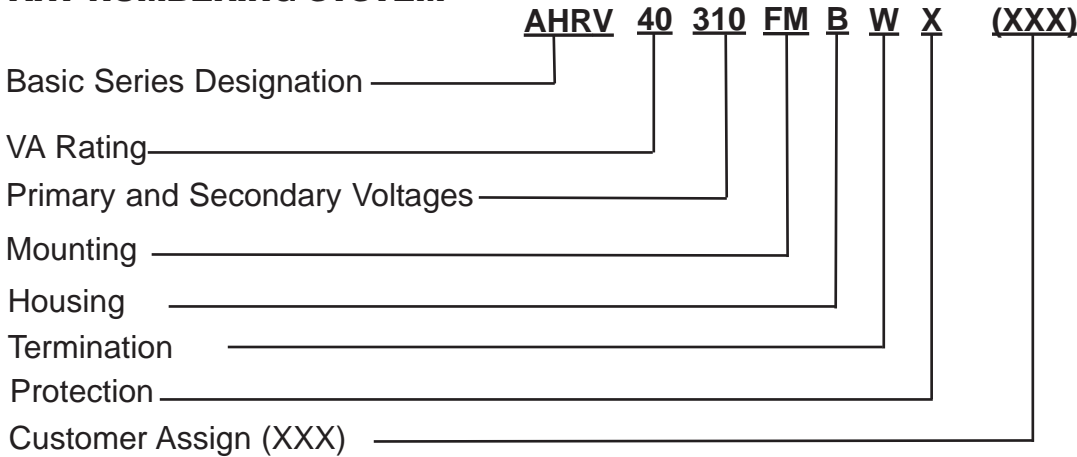
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### PART NUMBERING SYSTEM



### VA RATINGS

Designator	VA
20	20
30	30
40	40
50	50
60	60
75	75
100	96

### PRIMARY AND SECONDARY VOLTAGES

Designator	Primary	Secondary	Freq. HZ
309	115	24	50/60
310	208/240	24	50/60
311	120	24	50/60
312	240	24	50/60
313	277	24	50/60
314	480	24	50/60
315	208	24	50/60
316	240/480	24	50/60
317	120/240	24	50/60
318	120/208/240	24	50/60
319	120/208/240/480	24	50/60
320	120/208/240/277	24	50/60
321	120/208/240/277/480	24	50/60
322	208/240/480	24	50/60
323	120	2.5	50/60
324	120	12	50/60
325	208	2.5	50/60
326	208	12	50/60
327	240	2.5	50/60
328	240	12	50/60
329	120/208/240	2.5/12/24	50/60
330	115/208/240	24	50/60
331	120/208	24	50/60
332	120/277	24	50/60
333	120/480	24	50/60
334	208/277	24	50/60
335	208/480	24	50/60
336	240/277	24	50/60
337	277/480	24	50/60
338	120/208/277	24	50/60
339	120/208/480	24	50/60
340	120/240/277	24	50/60
341	120/240/480	24	50/60
342	208/240/277	24	50/60
343	208/277/480	24	50/60

344	240/277/280	24	50/60
345	120/240/277/280	24	50/60
346	575	24	50/60
347	208/240	12/24	50/60
348	120/208/240/480	12/24	50/60
349	115	12/24	50/60
350	208/240	120	50/60
351	230	120	50/60
352	460	120	50/60
353	380/415	24	50/60
354	230	24	50/60
355	460	24	50/60
356	277/480	120	50/60
357	347	24	50/60
358	460/575	24	50/60

*This is a partial listing only. Consult factory for your specific requirements. All voltage & VA combinations may not be available.*

### MOUNTING

Designator	Type
FM	Foot Mount
MM	Multi Mount
PM	Panel Mount

### HOUSING

Designator	Type
NULL	Open Frame
B	Bell Housing
C	Channel Frame

### Protection

Designator	Type
NULL	None
F	External Fuse
X	Circuit Breaker

### Termination

Designator	Type
W	Wire Leads
W1	One Side Wire
W2	Both Sides Wire
QW	QC and Wire
Q1	QC One Side
Q2	QC Both Sides
QT	QC Top
*A	Type A
*B	Type B
*C	Type C
*D	Type D
*E	Type E
*SW	Screw and Wire

*\*50VA, 75VA, 96VA Bell Housing Only. May be combined with other Terminations.*



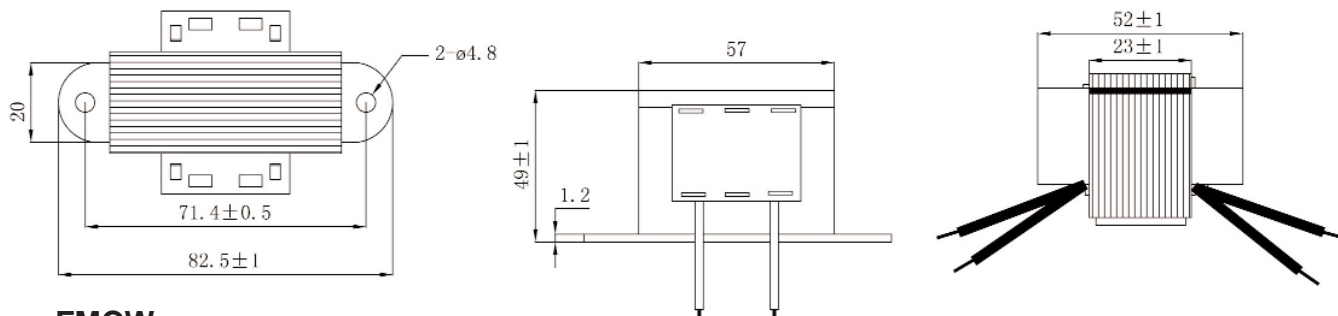
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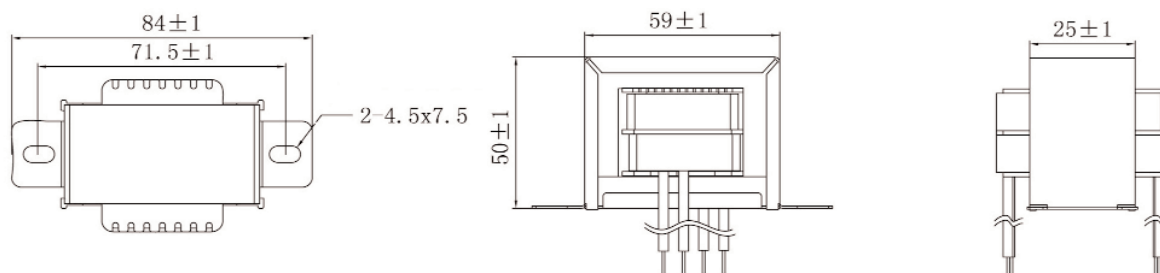
# ZM AHRV Series

## 20 VA CLASS 2 TRANSFORMERS

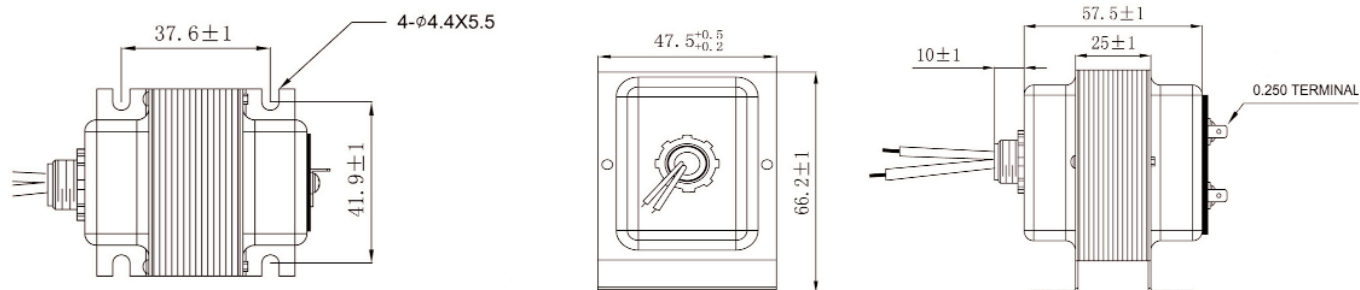
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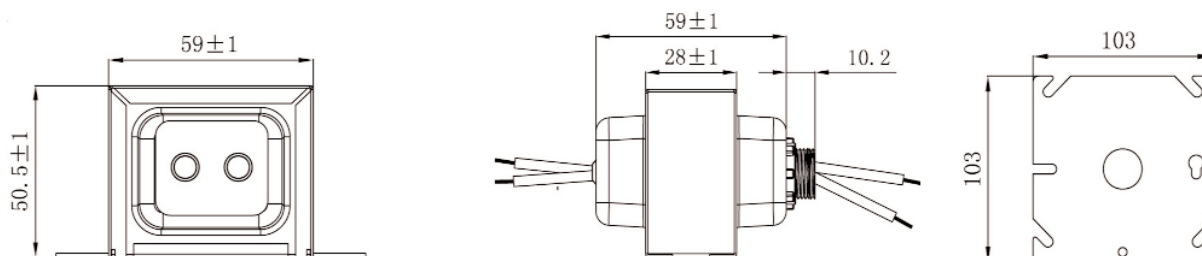
### Type FMCW



### Type FMBQW



### Type MMBW2

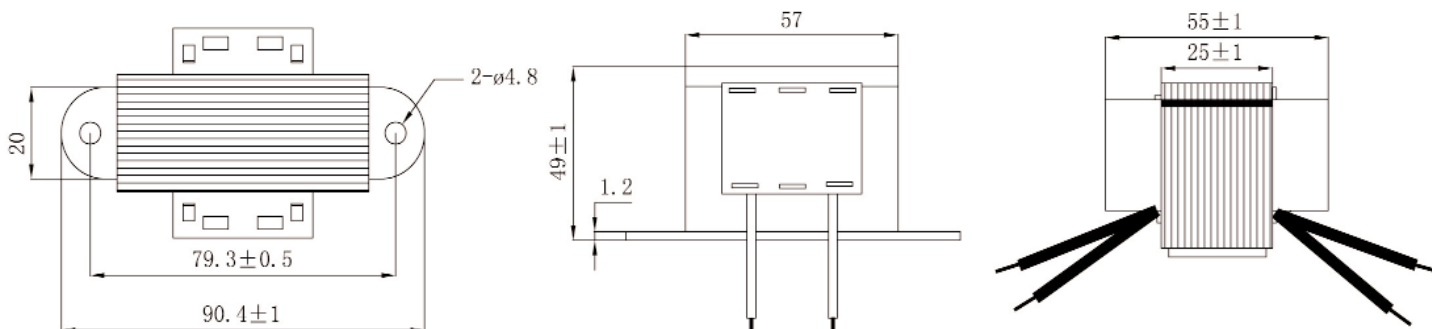


\*Contact factory for specific mounting and terminal requirements. Tolerance ± 1mm unless specified otherwise.

# ZM AHRV Series

## 30 VA CLASS 2 TRANSFORMERS

### Type FMW



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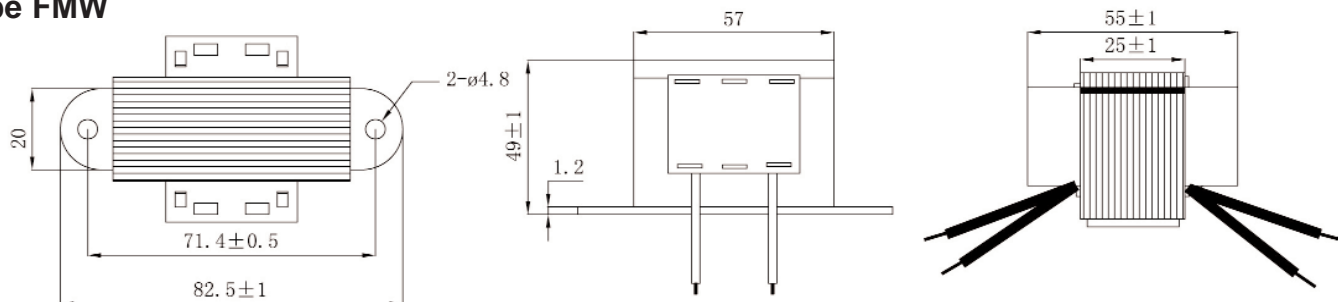
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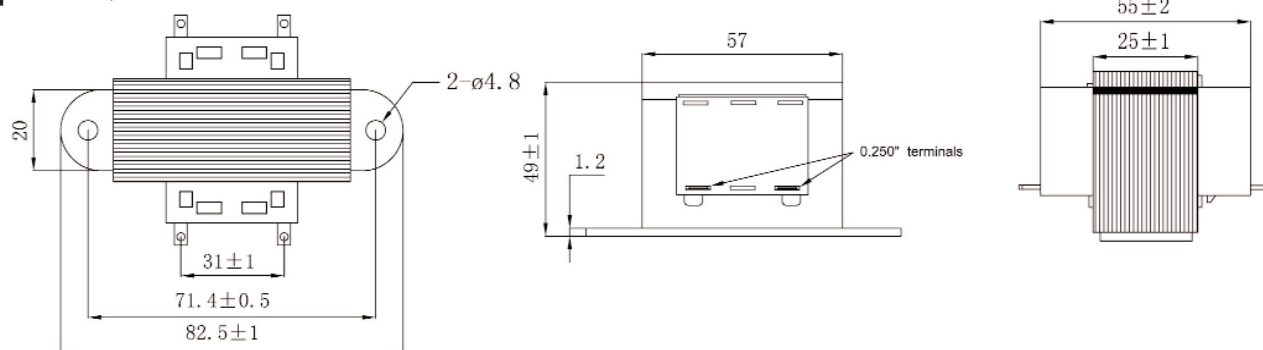
# ZM AHRV Series

## 40 VA CLASS 2 TRANSFORMERS

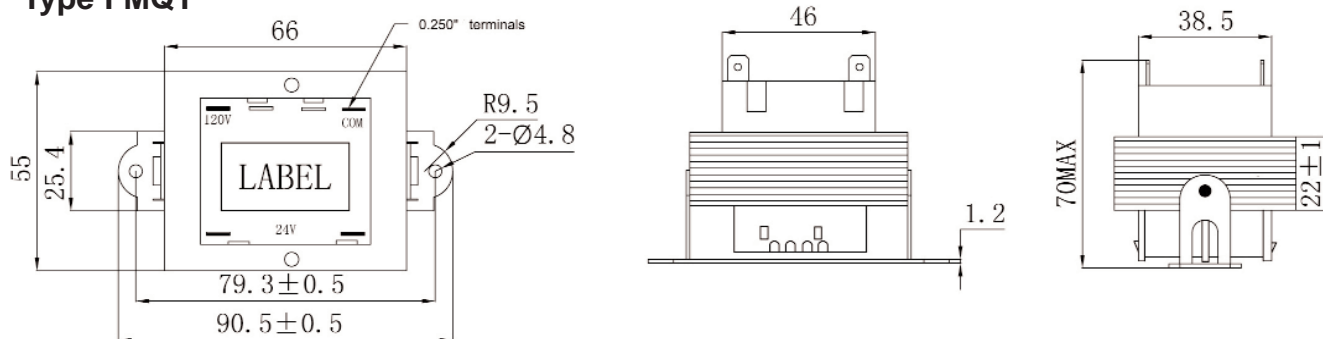
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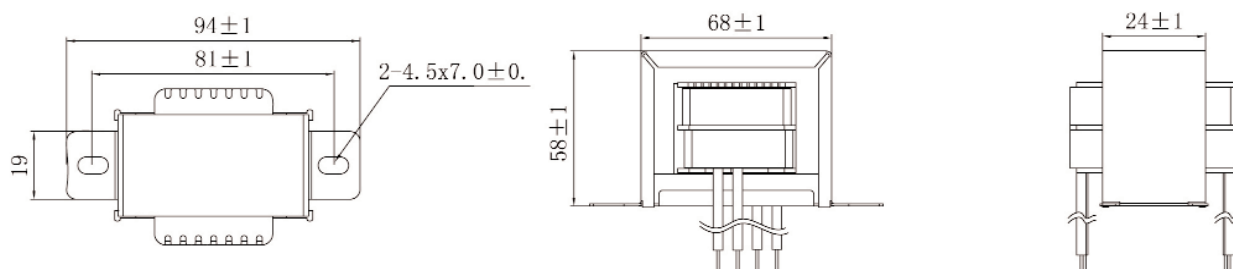
### Type FMQ2



### Type FMQT



### Type FMCW

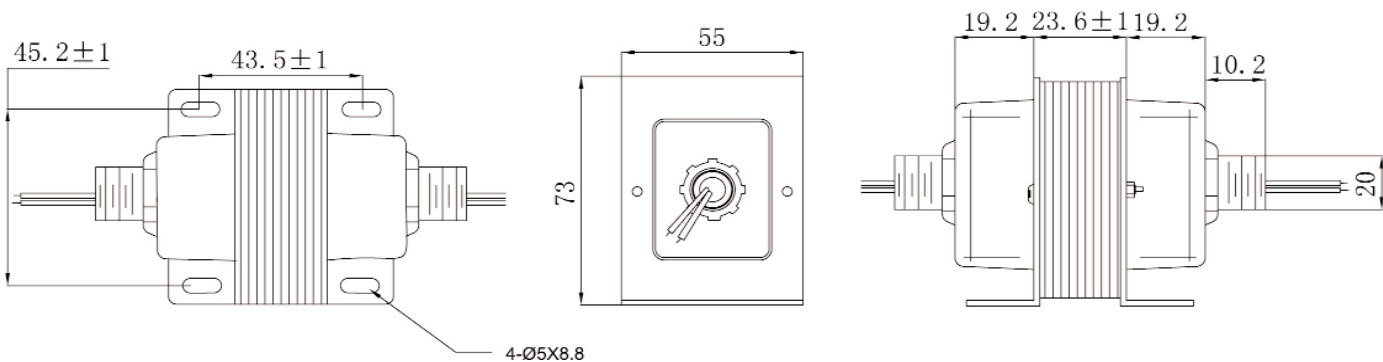


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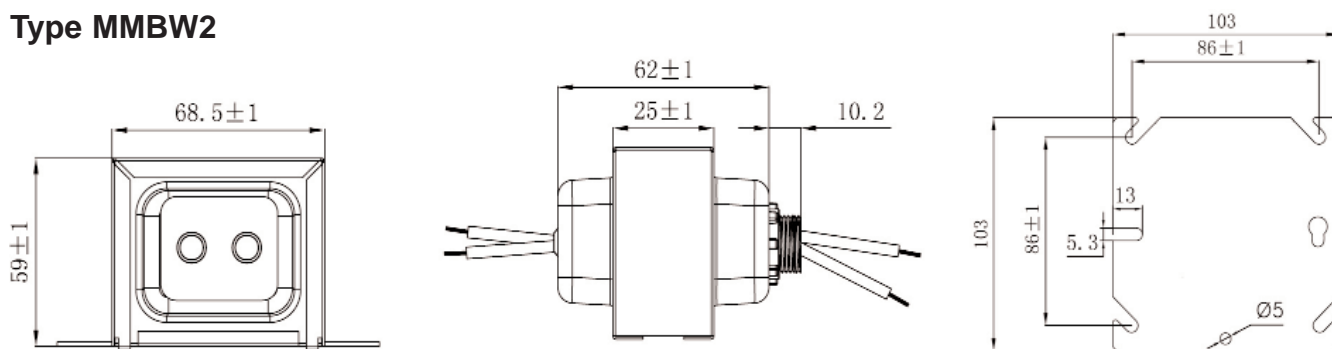
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# ZM AHRV Series

## Type FMBW2



## Type MMBW2



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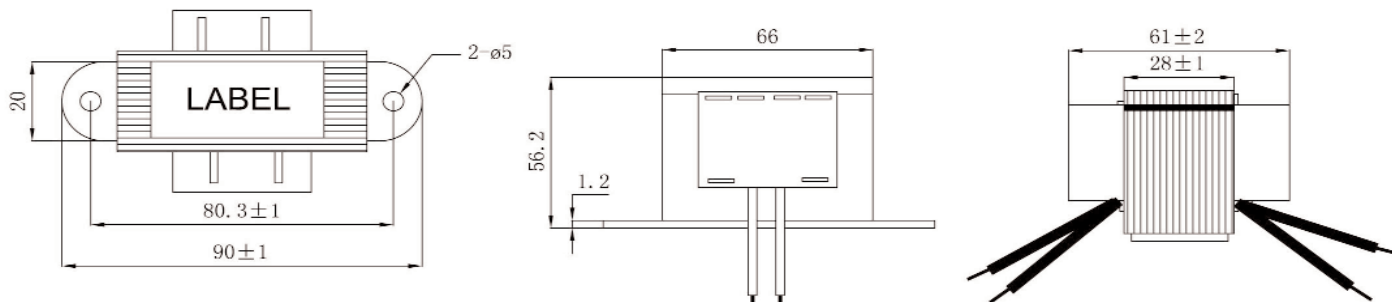
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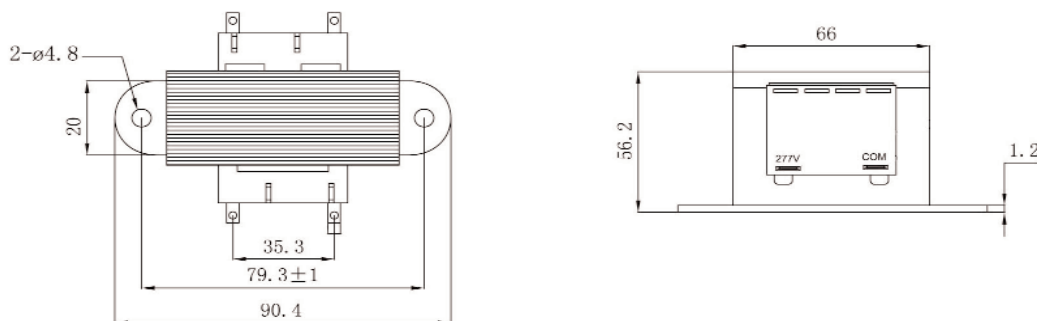
# ZM AHRV Series

## 50 VA CLASS 2 TRANSFORMERS

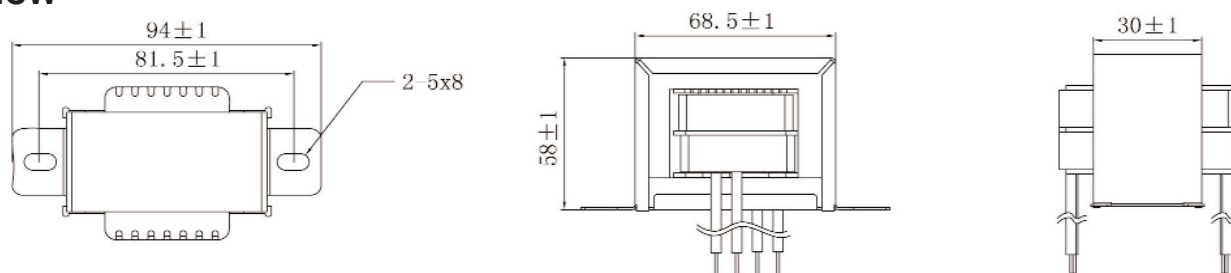
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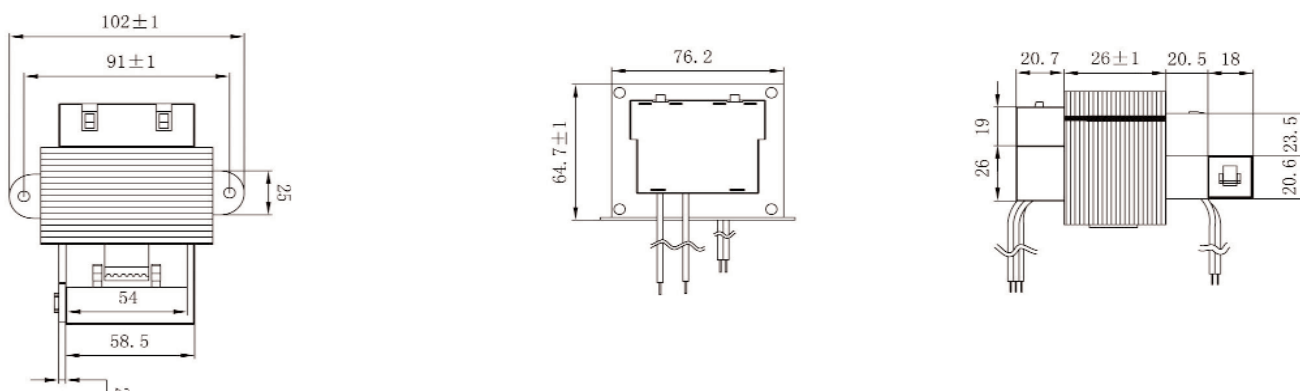
### Type FMQ2



### Type FMCW



### Type FMWX

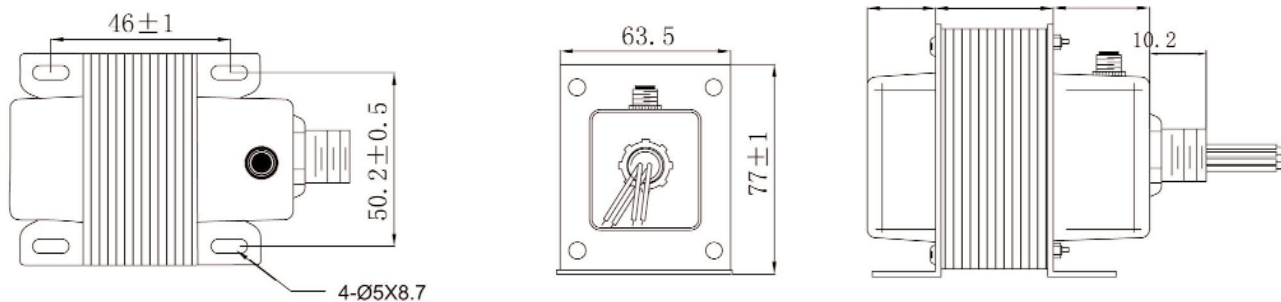


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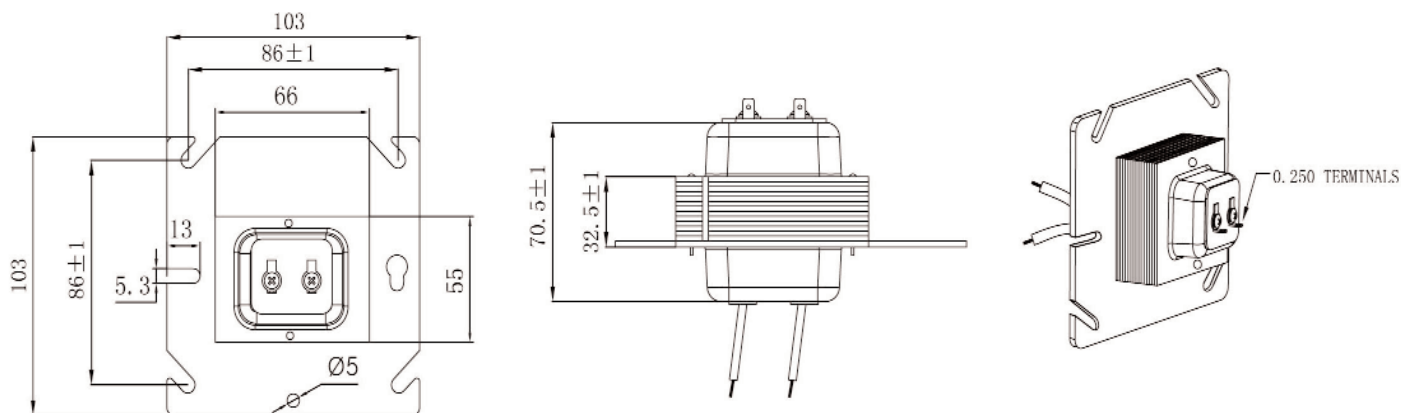
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# ZM AHRV Series

## Type FMBAW1X



## Type MMBQW



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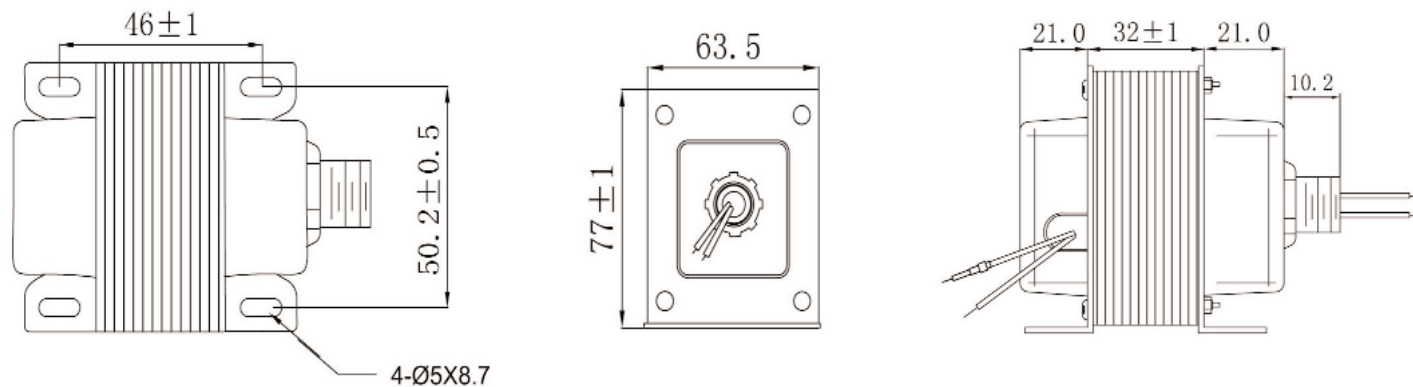


# ZM AHRV Series

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## 60 VA CLASS 2 TRANSFORMERS

Type MMBQW



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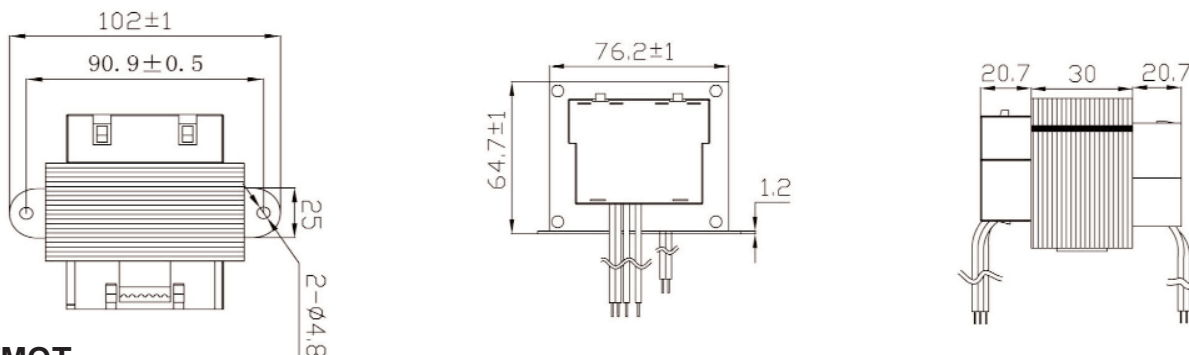
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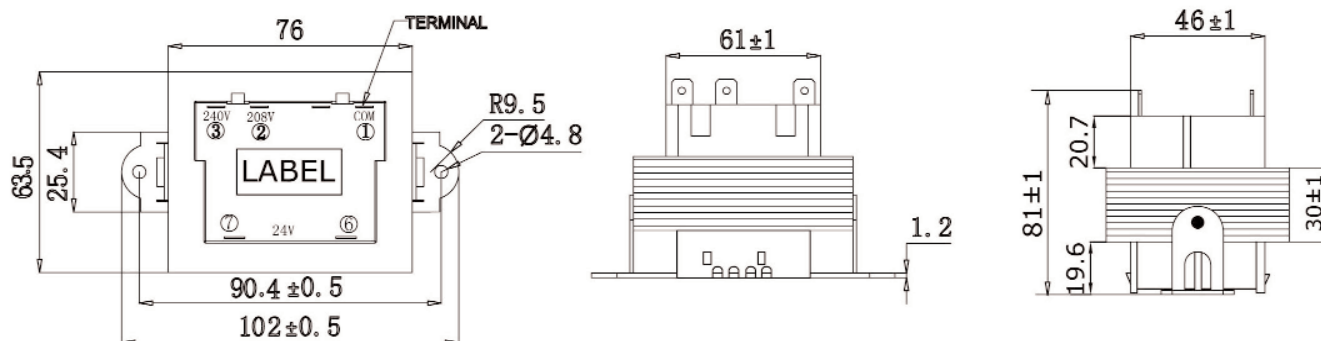
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## 75 VA CLASS 2 TRANSFORMERS

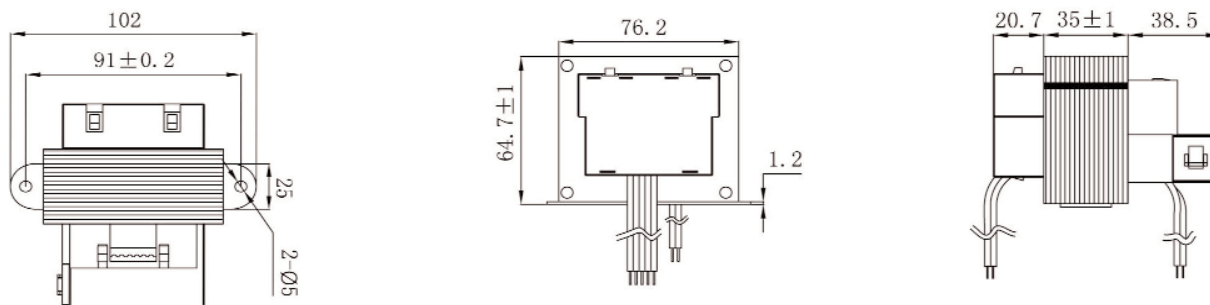
Type FMW



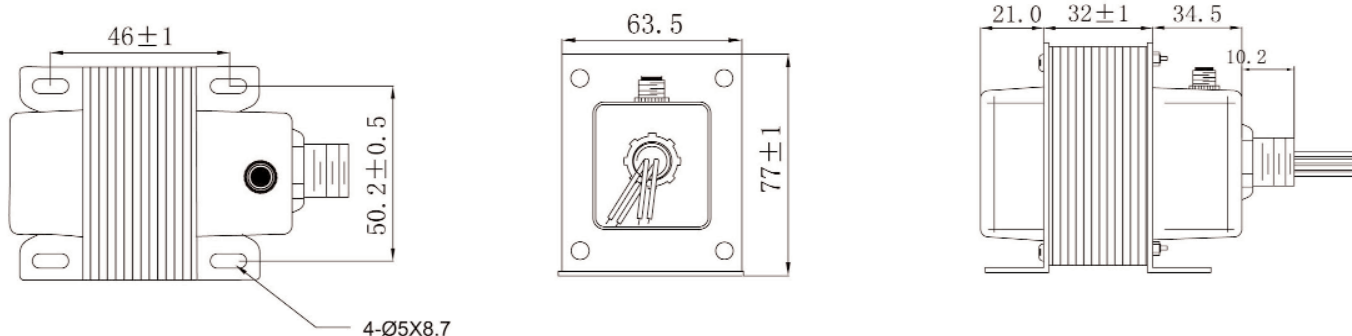
Type FMQT



Type FMWX



Type FMBAW1X

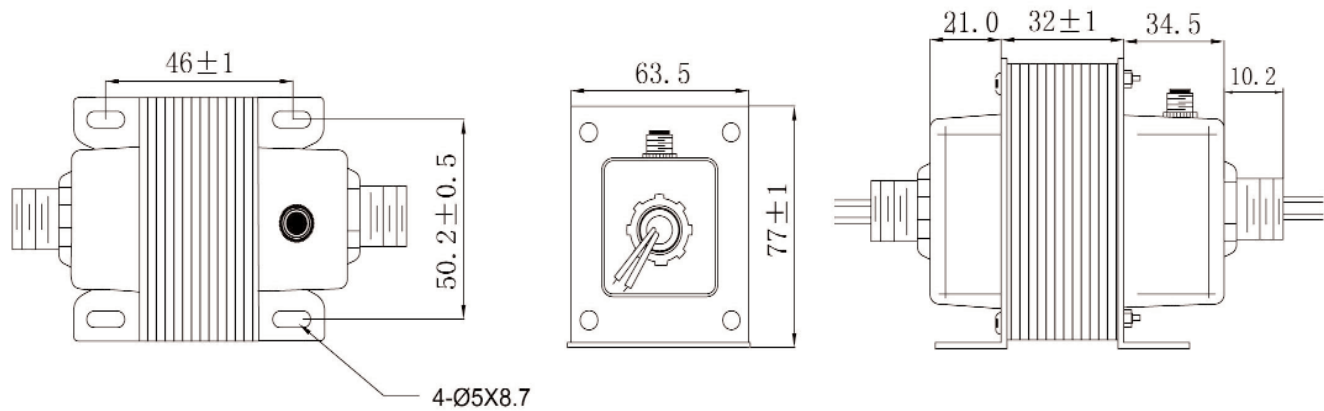


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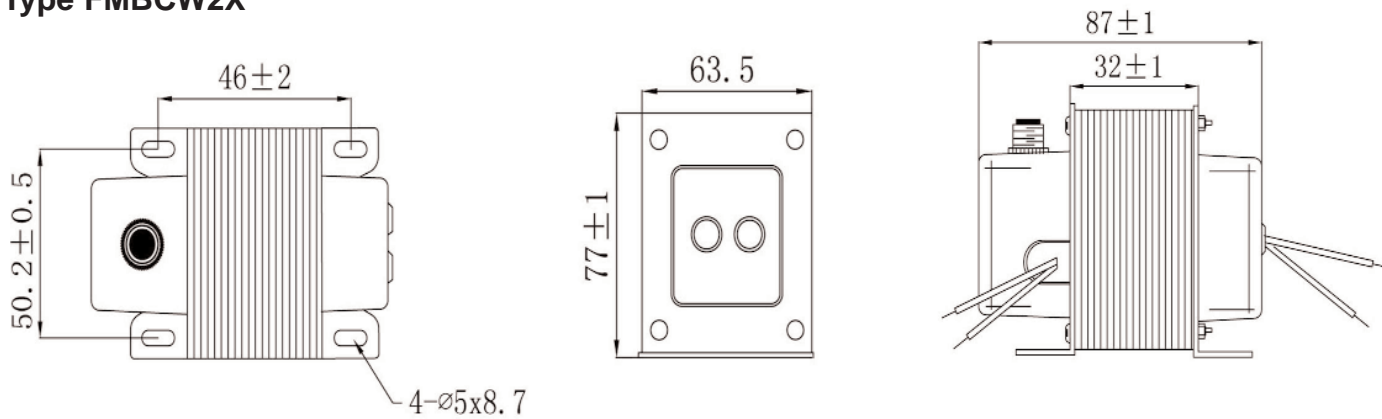
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# ZM AHRV Series

## Type FMBBW2X



## Type FMBCW2X



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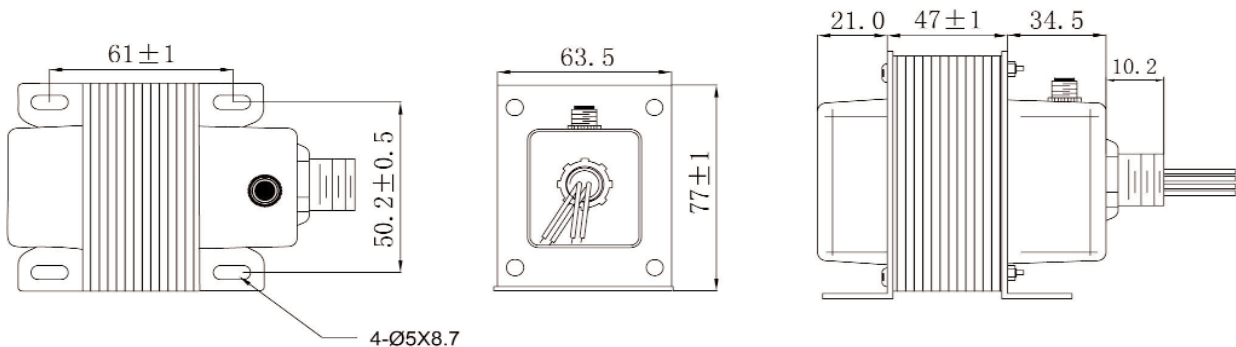
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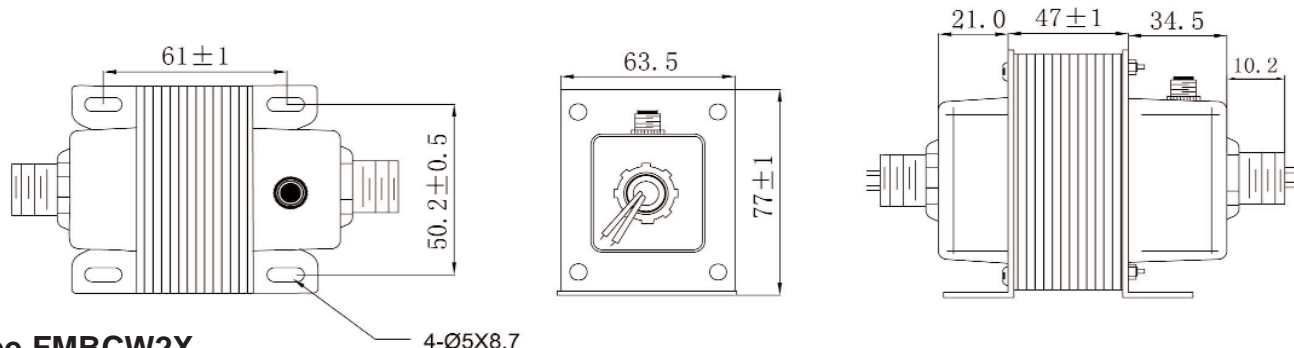
# ZM AHRV Series

## 96 VA CLASS 2 TRANSFORMERS

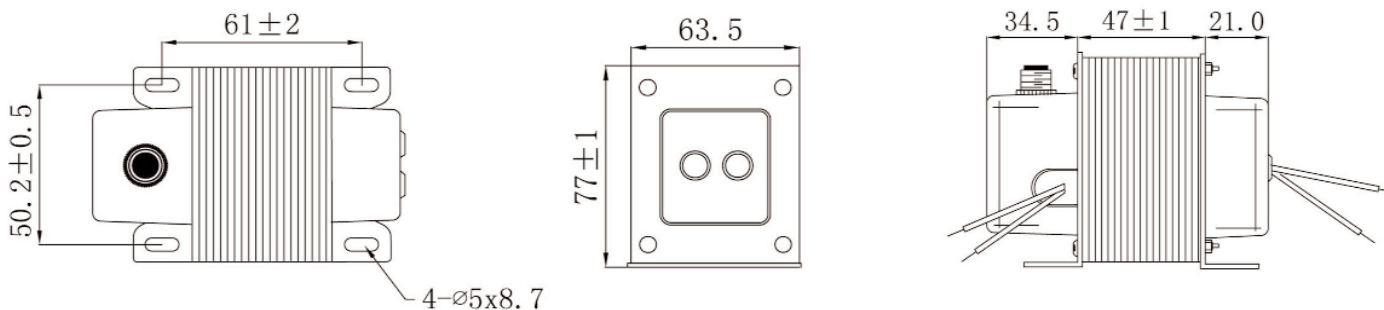
### Type FMBAW1X



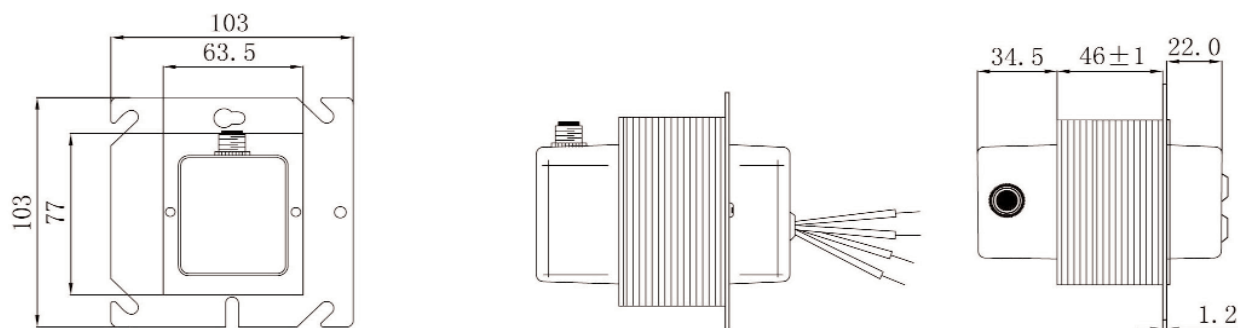
### Type FMBBW2X



### Type FMBCW2X



### Type FMBDW1X



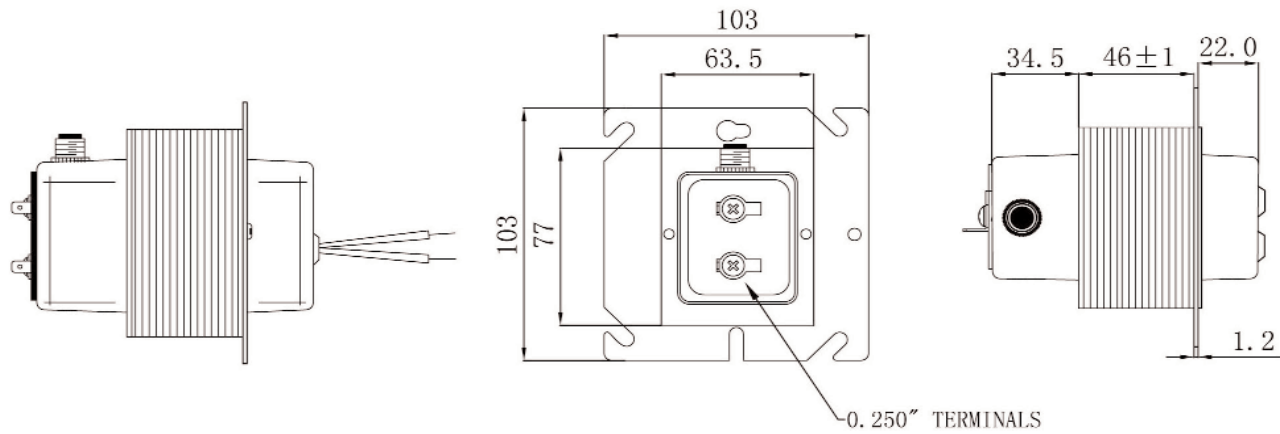
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# ZM AHRV Series

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## Type FMBEQWX



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