TRANSDUCER DATE CODE AND WARRANTY NUMBERING SYSTEM

Knowles identifies the week and year of manufacturing, warranty period, lot number, and sub-lot number. Marking is based on the size of the transducer. Nearly all products are laser marked as illustrated at the top of the next page. The exact location of each field may vary depending upon the product family and model. There is a maximum of 12 characters per line, using 2 or 3 lines.

Where product size restricts the amount of information that can be legibly marked, a maximum of 11 characters is used per line with 5 characters representing the actual model number.

Models with 2D barcode will be identified by only 6 characters as the balance characters will be contained in the 2D Barcode serial numbers.

Please note that sample units or pre-production prototype units will be marked with different manufacturing codes and are not covered under Knowles standard warranty policies.

WEEK AND YEAR OF MANUFACTURE

The first three numbers (PPY) indicate the week and year of manufacture. The first two digits represent the manufacturing week while the third digit represents the manufacturing year. For example, a unit marked “470” was manufactured during the 47th week of 2020, while a unit marked “151” was manufactured during the 15th week of 2021. The first two digits will range from 01 to 52, representing all 52 calendar weeks during the year. The third digit will range from 0 to 9, representing the years 2020 through 2029.

Receivers have been developed and manufactured by Knowles for well over 50 years. This has resulted in a very broad range products with form factors and features for many different applications. This document shows all the available series to help the user identify the one(s) that might best suit their application.

WARRANTY PERIOD

The fourth number indicates the warranty period of the particular transducer. Knowles transducers have a one-year, two-year, or three- year warranty. This will be marked on the transducer as a “1”, “2”, or “3”, corresponding to a one year, two year, or three year warranty. Where product size restricts the amount of information that can be legibly marked, the warranty period will be omitted.

Marking Format	Marking Format (for products with limited marking area)	Marking Form with 2D Barcode
		
K is the Knowles Logo (optional)	K is the Knowles Logo (optional)	ZZZ is the paired serial number
NNNNNNNNN is the Model Number	NNNNN is the Model Number	NNN is the Part Reference
PP is the Product Week (01-52)	PP is the Product Week (01-52)	PP is the Product Week (01-52)
Y is the last digit of the Production Year (0-9)	Y is the last digit of the Production Year (0-9)	Y is the last digit of the Production Year (0-9)
W is the Warranty Period (1,2 or 3 years)	W is the warranty code (1 or 2 years)	**2D BARCODE SERIAL NUMBER**:
LLLLLL is the Lot Number	LLLLL is the Lot Number	PPP is the Knowles's Facility Code/
SS is the Sub-Lot Number (01-99)	SS is the Sub-Lot Number (01-99)	Y is the last digit of the Production Year (0-9)
+ is the Positive Terminal for Pairs	BBBBB is the single receiver Lot Number	WW is the work week
>>> Is the Leading/Laggng indicator for Pairs	CC is the single receiver Lot Number	D is day (1 to 7, Sunday is 1 and Saturday is 7)
ZZZ is a serial Number for Engineering Samples	ZZZ is a serial Number for Engineering Samples	MSSSS is the 5 digits serial code (M is machine ID, SSSS is unit serial number)
G is Grading		AA is the model name designator
		R is the revision number
		D is the development stage (E is Eng sample, P is Prototype, M is Mass Production)

WARRANTY PERIOD EXTENSION

Should Knowles need to extend the warranty period on any particular transducer(s), this will be indicated by adding the "=" sign on the unit. Each "=" marked on the transducer will extend the warranty period one year from its normal expiration date. For example, a unit marked "4703" would normally have its warranty expiration during week 47 of 2023, three years after date of manufacture. Should this same unit require a warranty extension, it will be marked "=" and its warranty expiration then becomes week 47 of 2024 (four years after week of manufacture).

Example	
2020+1 year	4801 Manufactured week 48, year 2020, one-year warranty period expiring during week 48, 2021
2020+2 year	1602 Manufactured week 16, year 2020, two-year warranty period expiring during week 16, 2022.
2020+3 year	4503 Manufactured week 45, year 2020, three-year warranty period expiring during week 45, 2023.
2020+3+1 year	4703= Manufactured week 47, year 2020, four-year warranty period expiring during week 47, 2024.

Revision History

Revision	Description	ECR	Date
A	Revision controlled	P10008821	July 1, 2025