



# **Advanced Temperature Control (ATC)**

An Affiliate of Omega Canada Environmental Technologies (OCET)

## **Serial Number and Replacement Transducer Guide**

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## 1- Introduction

This document was created to explain the ATC serial numbers and replacement transducers. The ATC serial number is the best way for Dealers or End Users to determine important information for the unit of interest. Replacement transducers can quickly be identified using the table on page 5.

## 2- Master Serial Number Guide

The master serial number can be located on every shipping box for the system (i.e., evaporator, condenser, etc.). In addition, most dealers install a master serial number sticker inside the driver compartment.

### 2.1- Two digit "RM" Identifier:

The RM identifier is used to identify systems where the evaporator and condenser were manufactured with Ratio Metric transducers with 5V supply instead of a linear 0-12V transducer.

**RM** = "Ratio Metric"

### 2.2- One digit letter identifier:

Starting in 2020, master serial numbers started using the Latin alphabet to identify the year the system was manufactured. Since this system was developed in 2020, the first year was denoted with the letter A, followed by B in 2021, C in 2022 and onwards.

**A** = "2020"

**B** = "2021"

**C** = "2022"

**D** = "2023"

... **Z** = "2046"

### 2.3- Example: Unit with master serial number starting with "RMD"



The "RM" in RMD means the system has an evaporator and condenser manufactured with ratio metric transducers. In addition, the "D" in RMD means the system was manufactured in 2023.

### 3 - Condenser, Evaporator and Relay Board Serial Number Guide

Condensers, Evaporators and Relay Boards manufactured at ATC use a numerical serial number system to identify key information.

#### 3.1- Three Digit Number Codes:

The 3-digit number code at the start of the serial number identifies the year in which the unit was manufactured. Examples are provided below.

"221" = 2021

"219" = 2019

"217" = 2017

#### 3.2- Example 1: Evaporator with serial number starting with "222"




This means the evaporator was manufactured in 2022.

#### 3.3- Example 2: Condenser with serial number starting with "223"



This means the condenser was manufactured in 2023.

## 4 - Replacement Transducer Guide

Master Serial Number	<u>Low</u>	<u>High</u>
System Pre 2020?	N/A*  *System uses pressure switch	N/A*  *System uses pressure switch
Starts with a <b>letter?</b> i.e., "A", "B" and "C"	M920347   A cylindrical stainless steel pressure transducer with a black plastic cap on the left. The body is engraved with the part number M920347, a pressure range of 9-33VDC 0-5 VDC, and a pressure range of 10-100 PSIS.	M920348   A cylindrical stainless steel pressure transducer with a black plastic cap on the left. The body is engraved with the part number M920348, a pressure range of 9-33VDC 0-5 VDC, and a pressure range of 0-500 PSIS.
Starts with <b>RM?</b>	M920342   A cylindrical stainless steel pressure transducer with a black plastic cap on the left. It has a white label with the following text: P499RCP100, PRESSURE TRANSDUCER, -10 (20) to 100 PSI, RANGE, 0.5 to 1.0 VDC, OUTPUT, 4 to 5 VDC CLASS I, INPUT, 4 to 5 VDC CLASS I, WARNING-EXPLOSION, DO NOT DISCONNECT WIRE IN UNLESS AREA IS FREE OF FLAME, AVERTISSEMENT - RISQUE, NE DEBRANCHEZ PAS TANT QU'IL Y A DES BRASÈRES, SAUF SI LA ZONE EST LIBRE DE FLAMME, PRODUCT of CHINA.	M920341   A cylindrical stainless steel pressure transducer with a black plastic cap on the left. It has a white label with the following text: P499RCP106, PRESSURE TRANSDUCER, -10 (20) to 100 PSI, RANGE, 0.5 to 1.0 VDC, OUTPUT, 4 to 5 VDC CLASS I, INPUT, 4 to 5 VDC CLASS I, WARNING-EXPLOSION, DO NOT DISCONNECT WIRE IN UNLESS AREA IS FREE OF FLAME, AVERTISSEMENT - RISQUE, NE DEBRANCHEZ PAS TANT QU'IL Y A DES BRASÈRES, SAUF SI LA ZONE EST LIBRE DE FLAMME, PRODUCT of CHINA.