

Upgrading the Rosemount 8712C to a 8712D

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OVERVIEW

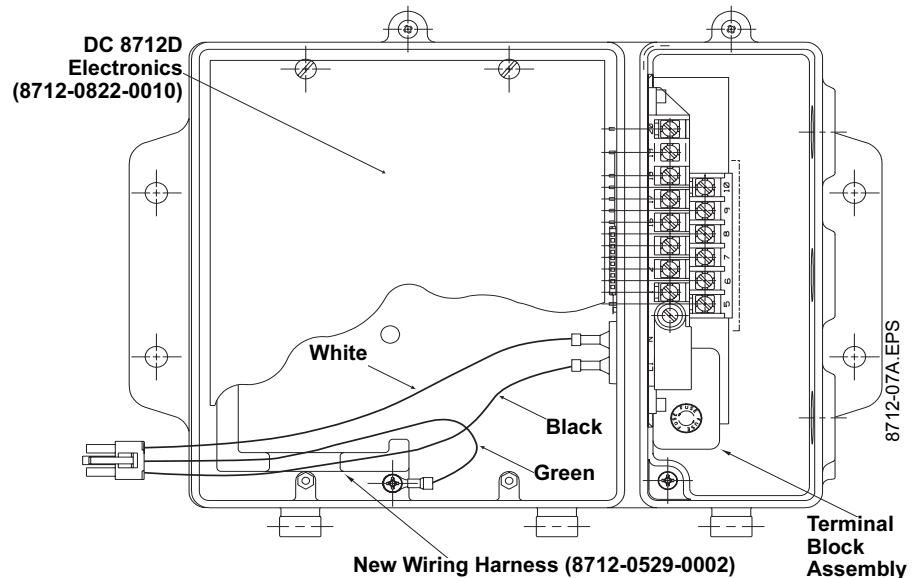
The Rosemount 8712C and 8712U transmitters are being obsoleted, and replaced with a new revision, the 8712D. A summary of the improvements can be found in the Technical Data Sheet (TDS) (00816-0100-4661). The 8712D was developed to be a direct replacement for the 8712C and 8712U. The 8712D boards can be retrofitted into existing 8712C and 8712U transmitter housings with minimum changes. The new 8712D boards work with existing LOI's with no modification. From a service standpoint, there are two changes to be aware of:

- The 8712D requires a new DD. This DD has been distributed to Service. The TDS 00816-0100-4661 includes directions to determine if the existing 275 DD's need to be upgraded.
- The 8712D boards come in two versions, AC (8712-0822-0001) and DC (8712-0822-0010) powered. This eliminates the separate large transformer previously mounted in the transmitter housing of the AC powered units.

DC POWERED UNITS

The 8712D DC (8712-0822-0010) electronics are a drop in replacement for the electronics used in an 8712C DC powered transmitter.

Figure 1-1. 8712D DC Powered Transmitter



Rosemount 8712D

AC POWERED UNITS

This procedure describes how to upgrade an 8712C AC powered transmitter to the 8712D AC powered electronics.

1. Disconnect power on the transmitter.
2. Remove 8712C Electronics (main board) from transmitter housing.
3. Remove 8712C line transformer and wiring harness from transmitter housing.
4. Install 08712-0529-0002 wiring harness.
5. Install AC powered 8712D electronics (8712-0822-0001).

NOTE

Only use AC power with 8712-0822-0001 electronics.

Table 1-1. 8712-0833-0001 Kit Contents

Item Number	Quantity	Description
C119980504-0104	1	SCREW, PHM ZNC PLTD, 8-32, 1/4, SLF LKG, TP 1
C091400022	1	FUSE 250V, 1A, QUICK, AGC 1
08712-0667-0111	1	LABEL, WIRING 8712D, AC TERMAL PRINTED
08712-0822-0001	1	CKT CD ASSY 8712D (AC PWR)
C103680031	1	WASHER, METAL LOCK, INT, NO8
C099830007	4	STANDOFF HEX, M-F, SST, 6-32X1/4, X7/8
08712-0529-0002	1	WIRING ASSY 8712D ELECTRONICS, LOCK
08712-0823-0001	1	SHIELD PLASTIC, SNAP-FIT, ABS, BLACK
08712-0571-0004	1	LABEL WARNING, WIRING COMPARTMENT

Figure 1-2. 8712C AC Powered Transmitter

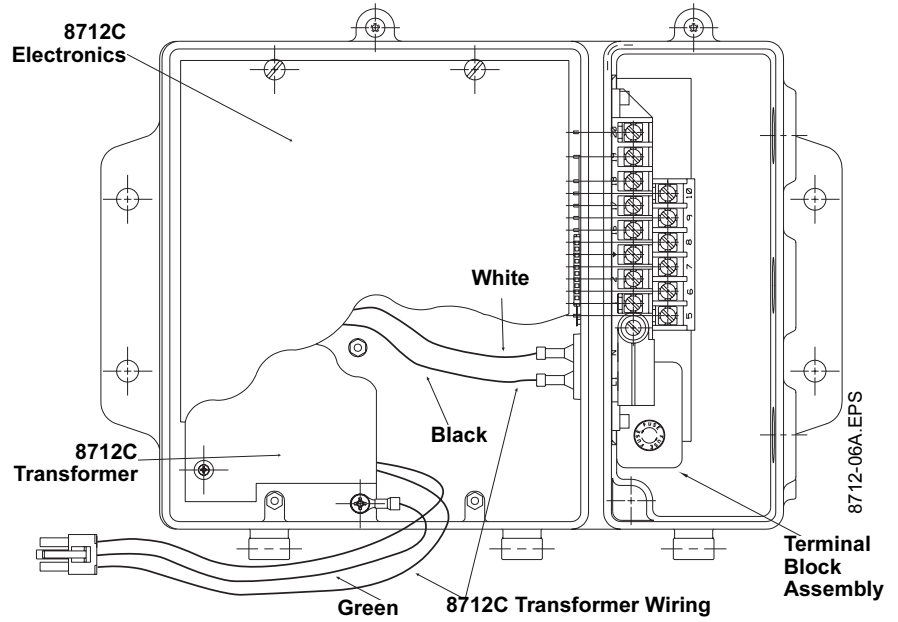
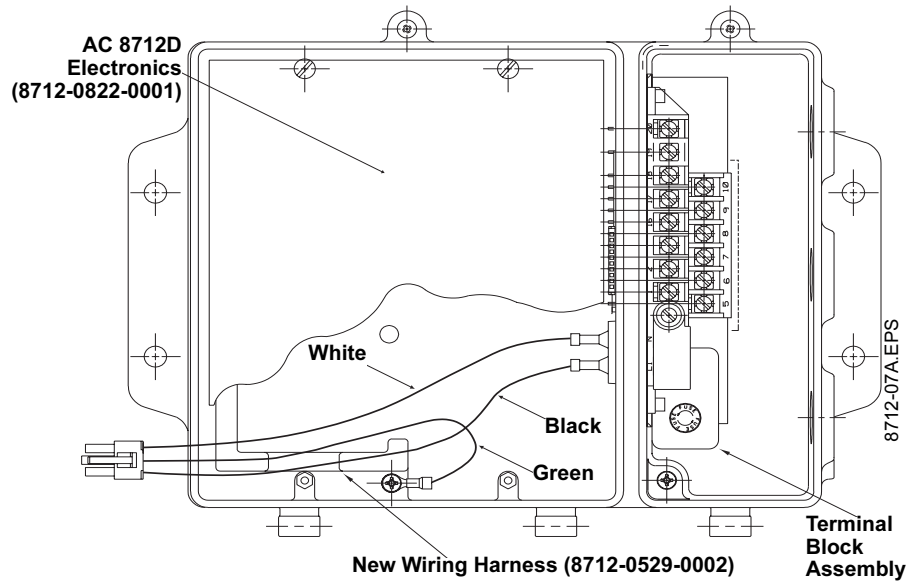


Figure 1-3. 8712D AC Powered Transmitter



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