



# Installation Instructions for PM368K/KM Short Haul Modem Kit

used with Tek-CARE<sup>®</sup>NC300II Nurse Call System

IL831  
Section E  
Rev. 1 - 06/2005

## APPLICATION

TekTone<sup>®</sup>'s PM368K/KM Short Haul Modem Kit increases the distance of Tek-CARE<sup>®</sup>NC300II signaling data by converting RS232 signaling to RS422 signaling. This allows a serial printer, Tek-PAGING<sup>®</sup> system or Tek-MMARS<sup>®</sup>II system to be placed up to 2000' away from the Tek-CARE<sup>®</sup>NC300II Central Equipment using CAT5 cable. The PM368K/KM provides support for the CTS/RTS signals needed for supervision functionality.

Each PM368K Kit (used with Tek-PAGING<sup>®</sup>) includes:

- Two PM368 short haul modems
- Two SS368 power transformers
- Four connector cable assemblies  
(Two CT544s, one CT545 and one CT546)

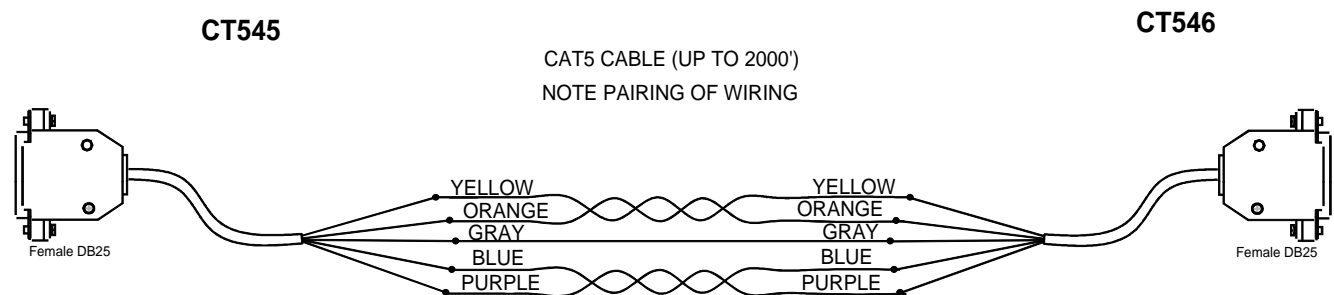
Each PM368KM Kit (used with Tek-MMARS<sup>®</sup>II or a serial printer) includes:

- Two PM368 short haul modems
- Two SS368 power transformers
- Four connector cable assemblies  
(one each CT544, CT545, CT546 and CT547)

## INSTALLATION

1. Make all connections as shown in *Figure 1*, *Figure 2* and *Figure 3*. All connector assemblies are labeled and must be connected in the correct order and position.
2. Plug the SS368 power transformers into a 120VAC outlet.

Figure 1—CT545 to CT546 Wiring Connections



Female DB25

PIN#	WIRE COLOR	FUNCTION
2	YELLOW	(TDA)
4	BLUE	(RTSA)
7	GRAY	(DGND)
14	ORANGE	(TDB)
19	PURPLE	(RTSB)

PIN#	WIRE COLOR	FUNCTION
2	YELLOW	(TDA)
4	BLUE	(RTSA)
7	GRAY	(DGND)
14	ORANGE	(TDB)
19	PURPLE	(RTSB)

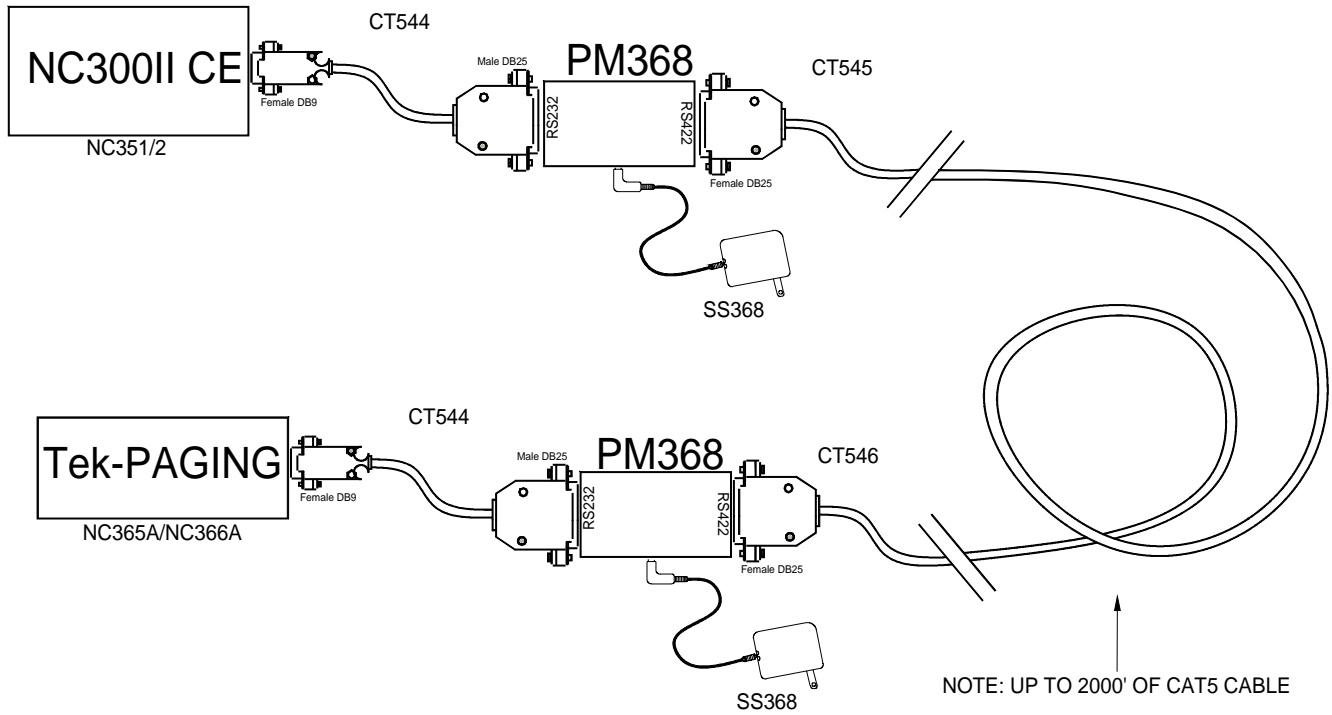
Female DB25

PIN#	WIRE COLOR	FUNCTION
3	YELLOW	(RDA)
5	BLUE	(CTSA)
7	GRAY	(DGND)
16	ORANGE	(RDB)
13	PURPLE	(CTSB)

PIN#	WIRE COLOR	FUNCTION
3	YELLOW	(RDA)
5	BLUE	(CTSA)
7	GRAY	(DGND)
16	ORANGE	(RDB)
13	PURPLE	(CTSB)

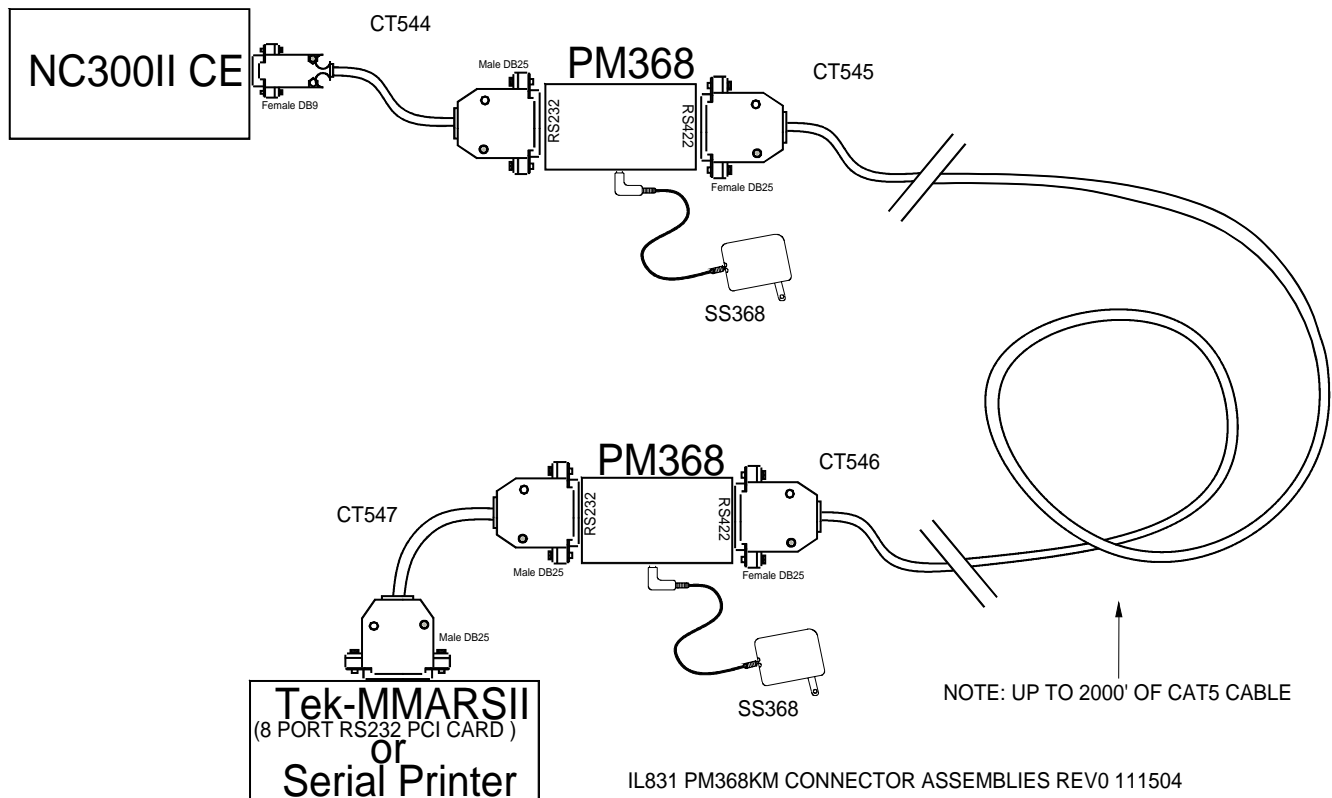
IL831 CT545 CT546 Connector Assembly Rev1 062305 1

**Figure 2—PM368K Connections**



IL831 PM368K Connector Assemblies for Tek-PAGING Rev0 011005 1

**Figure 3—PM368KM Connections**



IL831 PM368KM CONNECTOR ASSEMBLIES REV0 111504