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Revision	Date	Description
A	2JUN2005	Created
B	9MAR2009	Modified
C	9FEB2012	Modified to include new XBee and XBee-PRO SKUs.
D	11JUL2014	Modified to update 9XTend and 9XTend-R specifications and remove 9XTend-E sections

Installation and Use of Digi PKG transceivers, OEM RF Modules and Interface Boards:

1. The PKG stand-alone radio modems listed below are suitable for Class I, Division 2, Group A,B,C,D hazardous locations when installed in a suitable enclosure acceptable to the local authority having jurisdiction. Ensure DB9 connector is mechanically secured by screws and the locking tab on the power connector is engaged or power is supplied through the secured DB9 connector.

A) PKG Transceiver Model 9XStream-R, part number X09 (followed by suffixes: -009 or -019; followed by PK; followed by D; followed by -R or -RD); rated input 7 – 18 VDC, 300mA max; temperature code T4 at maximum operating ambient 85°C; contains a 9XStream transceiver and XIB-R interface board subassembly.

B) PKG Transceiver Model 24XStream-R, part number X24 (followed by suffixes: -009 or -019; followed by PK; followed by D; followed by -R or -RD); rated input 7 – 18 VDC, 300mA max; temperature code T4 at maximum operating ambient 85°C; contains a 24XStream transceiver and XIB-R interface board sub-assembly.

C) PKG Transceiver Model 9XCite-R, part number XC09 (followed by suffixes: -009 or -038; followed by PK; followed by D; followed by -R or -RD); rated input 7 – 18 VDC, 200mA max; temperature code T4 at maximum operating ambient 85°C; contains a 9XCite transceiver and XIB-R interface board subassembly.

D) PKG Transceiver Model 9XTend-R, part number XT09 (followed by suffixes: -PK; followed by D; followed by -R or -RD); rated input 7 – 28 VDC, 900mA max; temperature code T2D at maximum operating ambient 85°C; contains a 9XTend transceiver and XTIB-R interface board sub-assembly.

E) PKG Transceiver Model XBee, part number XB24 (followed by suffixes: -PK; followed by D; followed by -001 through -999, followed by -R or -RD); rated input 5-24 VDC, 200mA max; temperature code T4 at maximum operating ambient 85°C; contains a XBee transceiver and XBIB-R interface board sub-assembly.

F) PKG Transceiver Model XBee-PRO, part number XBP24 (followed by suffixes: -PK; followed by D; followed by -001 through -999, followed by -R or -RD); rated input 5-24 VDC, 700mA max; temperature code T3C at maximum operating ambient 85°C and/or temperature code T4 at maximum operating ambient 75°C; contains a XBee-PRO transceiver and XBIB-R interface board sub-assembly.

2. The following RF modules are CSA Certified for use in Class I, Division 2, Group A,B,C,D hazardous locations when used with a suitable interface board (see Notes 3 and 4) and installed in accordance with these instructions.

A) Transceiver Model 9XStream, part number X09 (followed by suffixes: -009 or -019; followed by N or W; followed by M, N or S; followed by I); rated input 5 VDC, 150mA max; temperature code T4 at maximum operating ambient 85°C.

B) Transceiver Model 24XStream, part number X24 (followed by suffixes: -009 or -019; followed by N or W; followed by M, N, or S; followed by I); rated input 5 VDC, 300mA max; temperature code T4 at maximum operating ambient 85°C.

C) Transceiver Model 9XCite, part number XC09 (followed by suffixes: -009 or -038; followed by N or W; followed by M, N or S; followed by I); rated input 2.85 – 5.50 VDC, 100mA max; temperature code T4 at maximum operating ambient 85°C.

D) Transceiver Model 9XTend, part number XT09 (followed by suffixes: -M or -S; followed by I); rated input 2.85 – 5.50 VDC, 950mA max; temperature code T4 at maximum operating ambient 85°C.

E) Transceiver Model XBee, part number XB24 (followed by suffixes: -A through -Z; followed by C, S, P, U or W; followed by I; followed by -001 through -999 OR followed by suffixes: -DM; followed by C, S, P, U, or W; followed by IT; followed by -001 through -999); rated input 2.8 – 3.4 VDC, 100mA max; temperature code T4 at maximum operating ambient 85°C.

F) Transceiver Model XBee-PRO, part number XBP24 (followed by suffixes: -A through -Z; followed by C, S, P, U or W; followed by I; followed by -001 through -999 OR followed by suffixes: -DM; followed by C, S, P, U, or W; followed by IT; followed by -001 through -999); rated input 2.8 – 3.4 VDC, 500mA max; temperature code T4 at maximum operating ambient 85°C.

3. RF modules may be used with Digi Interface Boards to form an RF Modem sub-assembly as defined below. These sub-assemblies are suitable for Class I, Division 2, Group A,B,C,D hazardous locations when installed in a suitable enclosure and where the final assembly is subject to investigation by CSA.

A) Transceiver sub-assembly Model 9XStream-R, part number X09 (followed by suffixes: -009 or -019; followed by N or W; followed by M, N or S; followed by D; followed by -R or -RD); rated input 7 – 18 VDC, 300mA max; temperature code T4 at maximum operating ambient 85°C; consisting of a 9XStream transceiver and XIB-R interface board.

B) Transceiver sub-assembly Model 24XStream-R, part number X24 (followed by suffixes: -009 or -019; followed by N or W; followed by M, N or S; followed by D; followed by -R or -RD); rated input 7 – 18 VDC, 300mA max; temperature code T4 at maximum operating ambient 85°C; consisting of a 24XStream transceiver and XIB-R interface board.

C) Transceiver sub-assembly Model 9XCite-R, part number XC09 (followed by suffixes: -009 or -038; followed by N or W; followed by M, N or S; followed by D; followed by -R or -RD); rated input 7 – 18 VDC, 200mA max; temperature code T4 at maximum operating ambient 85°C; consisting of a 9XCite transceiver and XIB-R interface board.

D) Transceiver sub-assembly Model 9XTend-R, part number XT09 (followed by suffixes: -M or -S; followed by D; followed by -R or -RD); rated input 7 – 28 VDC, 900mA max; temperature code T2D at maximum operating ambient 85°C; consisting of a 9XTend transceiver and XTIB-R interface board.

E) Transceiver sub-assembly Model XBee, part number XB24 (followed by suffixes: -A through -Z; followed by C, U or W; followed by D; followed by -001 through -999; followed by -R or -RD); rated input 5- 24 VDC, 200mA max; temperature code T4 at maximum operating ambient 85°C; consisting of an XBee transceiver and XBIB-R interface board.

F) Transceiver sub-assembly Model XBee-PRO, part number XBP24 (followed by suffixes: -A through - Z; followed by C, U or W; followed by D; followed by -001 through -999; followed by -R or -RD); rated input 5-24 VDC, 700mA max; temperature code T3C at maximum operating ambient 85°C and/or temperature code T4 at maximum operating ambient 75°C; consisting of an XBee-PRO transceiver and XBIB-R interface board.

4. RF modules may also be used with other third party manufacturer interface boards. RF modules must be mechanically secured to the interface board and the resultant sub-assembly must be installed in a suitable enclosure where the final assembly is subject to investigation by CSA.