

## **README: Modbus Integration Kit for PAC Control**

### **Version 9.3b**

July 26, 2016

Revised February 1, 2017

Requires PAC Control version R9.3a or newer

In the sample PAC Control strategies, each time a subroutine is called, the starting register uses a parameter value of 1. Previously, the samples used random registers.

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### **Version 9.3a**

September 17, 2015

Requires PAC Control version 9.3a or newer

### **Important Note for Users Upgrading from Versions of the Kit Prior to R9.3a**

The September 2015 update to this kit (version R9.3a and higher) is a major rewrite including a change to the subroutine's passed parameters. The rewrite makes the kit much easier to use. However, upgrading from a previous version of this kit will require modifying your existing PAC Control strategy logic.

To get started with the new kit, see form 2164, the [Modbus Integration Kit Technical Note](#). All documentation for using the kit is included in the kit's subroutines.

### **For Users Upgrading from the older Modbus/TCP or Modbus Serial Integration Kits**

The Modbus/TCP Integration Kit for PAC Control (part # PAC-INT-MBTCP) and the Modbus Serial Integration Kit for PAC Control (part # PAC-INT-MBSER) are no longer available.

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### **Version 9.1k** 03/12/2015

Changed retry time in master subroutines.

### **Version 9.1j** 10/14/2014

Added slave support for function 8 subfunction 00.

### **Version 9.1i** 7/29/2014

Added support for address 0 broadcast.

### **Version 9.1h**, 3/12/2014

Fixed single data type function 16.

### **Version 9.1g**, 12/17/2013

Optimized RTU mode.

### **Version 9.1f**, 10/15/2013

- Fixed byte count function 15.
- Fixed Transaction\_Identifier to increment.
- Added additional error check for TCP.

### **Version 9.1e**, 7/22/2013

- Fixed error on 06 function for single data type.
- Fixed slave 03 function quantity issue.

**Version 9.1d**, 3/7/2013

- Changed the way the data type table is used by the subroutines.
- Optimized the subroutines when using 1 data type.

**Version 9.1c**, 10/11/2012

Added Function 17.

**Version 9.1b**, 8/29/2012

Changed RTU transmit method.

**Version 9.1a**, 3/15/2012

Build charts and subroutines.