IKONIX USA

RTB INSTRUCTION SHEET
Remote Test/Reset Box | RTB-01, RTB-02

DECLARATION OF CONFORMITY CE

Manufacturer: Associated Research, Inc.

Address: 13860 W. Laurel Dr.
                          Lake Forest, IL 60045, USA

Product Name: Remote Test Box

Model Number: RTB-01, RTB-02

Conforms to the following Standards:

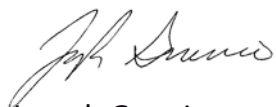**Safety:**   IEC 61010-1:2010
                          EN 61010-1:2010
                          UL 61010-1:2012
                          CAN/CSA-22.2 NO. 61010-1-12

EMC: EN 61326-1:2013

Supplementary Information

The product herewith complies with the requirements of the Low Voltage Directive 2014/35/EU and the EMC Directive 2014/30/EU.

The technical file and other documentation are on file with Associated Research, Inc.

Joseph Guerriero
Vice President / General Manager
Associated Research, Inc.
Lake Forest, Illinois USA
April 18, 2016

General Information

The RTB is a Remote Test and Reset Control Box. It comes in two different configurations: RTB-01 and RTB-02. Both models utilize the connection of Remote Input/Output on the back of all compatible Ikonix USA models. Both RTB-01 and RTB-02 can be used to initiate and reset a test. The RTB-02 has an additional feature (LED's) which allows the operator to monitor the PASS, FAIL and PROCESSING signals. The three LED's on the box will display whether a test is in process, passed or failed. Green LED for PASS, Red LED for FAIL and Yellow LED for PROCESSING. Additionally, the RTB-02 requires a 9V DC input to light up the three LED's.

Using the RTB

The two 9-pin "D" type connectors are mounted on the rear panel of the compatible Ikonix USA models that provide REMOTE-INPUT-OUTPUT control and information. These connectors mate a with standard 9 pin D-sub-miniature connector that are a part of the wire. The output mates to a male (plug) connector while the input mates to a female (receptacle) connector. The RTB will work with all Ikonix USA models which allow basic PLC Control.

For best performance, a shielded cable should be used. Figure 1 below shows the pin configurations for the Remote I/O connections in the back of the units.

Dimensions: (L x W) 5.7in x 3.15in (145mm x 80mm)
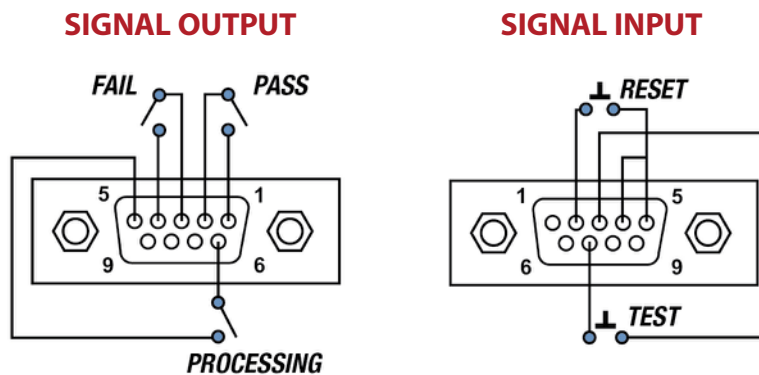
Cable: 112.2in (2850mm)

Figure 1 Pin Configurations for Remote I/O

Replacing the battery in RTB-02

1.   Disconnect the cable.
2.   Loosen up all screws on the enclosure.
3.   Replace the battery with a new 9 volt battery (NEDA 1604
4.   Fasten screws on the enclosure.
5.   Reconnect the cable.

MAINTENENCE:
There are no user serviceable parts inside. Routine maintenance or cleaning of internal parts is not necessary. Any external cleaning should be done with a clean dry or slightly damp cloth. Avoid the use of cleaning agents or chemicals to prevent damage plastic parts or lettering.

CAUTION:
If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

OPERATING ENVIRONMENT:
This instrument may be operated in environments with the following limits:
- Indoor Use Only
- Altitude: 2000 m
- Temperature: 0^oC to 40^oC
- Humidity: Maximum 80% RH at 31^oC decreasing to 50% RH at 40^oC
- Pollution Degree: 2