

CPRI

TEST REPORT



Central Power Research Institute

(A Govt. of India Society)

P.B.No. 8066, Sadashivanagar Post Office,

Sir C.V. Raman Road,

Bangalore - 560 080 (INDIA)

CENTRAL POWER RESEARCH INSTITUTE



TEST REPORT

Test Report Number: CPRIBLREATD18T0286

Dated: 15.10.2018

Name & Address of the Customer : M/s. iTriangle Infotech Pvt. Ltd.
803/A (803/A-1-3), 76th 'A' Cross West of Chord Road,
6th Block, Rajajinagar, Bangalore, Karnataka-560010.

Name & Address of the Manufacturer : M/s. iTriangle Infotech Pvt. Ltd.
803/A (803/A-1-3), 76th 'A' Cross West of Chord Road,
6th Block, Rajajinagar, Bangalore, Karnataka-560010.

Particulars of sample tested

Condition of the sample on Receipt : Good
Type : Outdoor
Description of test sample : TS101 BASIC
Serial Number : 180720568
Number of samples tested : One only.
Date (s) of Test (s) : 12.10.2018
CPRI sample code no(s) : EATDIP18S0103

Particulars of tests conducted

Test in accordance with Standard / specification : IP 65 Category 1 Test, as per IEC 60529 Edition 2.2, 2013-08 Standard. Clause 13.4, 13.6 and 14.2.5.
Sampling Plan : Not applicable
Customer's requirement : 1. IP 65 Category 1 Test, as per IEC 60529 Edition 2.2, 2013-08 Standard. Clause 13.4, 13.6 and 14.2.5.
2. Visual observation for entry of dust (IP 6X) Category 1 and water (IP X5).
3. Functional test to check performance is to be carried out before and after IP 65 Category 1 test.
Deviations if any : -Nil-

Name of the witnessing persons

Customer's representative : Mr. Mayyur Dandewale, Marketing Manager.
Other than customer's representatives : None
Test subcontracted with address of the laboratory : None

Documents constituting this report (In words)

Number of sheets : Three only
Number of oscillograms : -Nil-
Number of graphs : -Nil-
Number of photos : -Nil-
Number of test circuit diagrams : -Nil-
Number of drawings : Two Only. Drawing No. ITR-TS-101BS
Sheet 1 of 2 and Sheet 2 of 2.


(D VENKATESH)
Test Engineer




(Dr. P. CHANDRA SEKHAR)
Head of Division
Approved by

ULR-TC5452180EADT0286F

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TEST RESULTS:

Sl. No.	PARTICULARS		OBSERVATIONS		
	TESTS CONDUCTED	REFERENCE CLAUSE			
1.0	IP 6X Test Category 1, as per IEC 60529 Edition 2.2, 2013-08 Standard.	Clause No. 13.4 and 13.6 Protection against Ingress of solid foreign objects – Dust Tight Test.	No entry of dust found observed inside the "TS101 BASIC" Enclosure. <u>"Protection is Satisfactory"</u>		
2.0	IP X5 Test as per IEC 60529 Edition 2.2, 2013-08 Standard.	Clause No.14.2.5 Protection against harmful ingress of water – Hose jet of water using nozzle of dia. 6.30 mm, water flow rate 12.5 l/min \pm 5% and 3 m distance.	No entry of water found observed inside the "TS101 BASIC" Enclosure.		
3.0	Functional Test Conducted		Before IP 6X Test	After IP 6X Test/Before IP X5 Test	After IP X5 Test
3.1	12V Battery connected to the GPS tracking device and when switched ON, the device to record latitude, longitude, date and time along with digital/analog I/O information received from the internal GPS module & transmits to the server Via GPRS, which shall be seen through Itriangle application Via laptop. Functionality test is conducted before and after the IP X5 test.		Found working Satisfactory	Found working Satisfactory	Found working Satisfactory

(D VENKATESH)
Test Engineer

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ELECTRICAL APPLIANCES TECHNOLOGY DIVISION
CENTRAL POWER RESEARCH INSTITUTE
P.B.No.8066, SADASHIVANAGAR P.O.
PROF.SIR C.V.RAMAN ROAD, BENGALURU - 560 080, INDIA.
Tel: +91 (0) 80-22072343, +91 (0) 80-22072344