Non - Transferable

TEST REPORT

Test Report No.: C T 0 C R 1 8 3 2

Date: 30.09.2022

1	**Name & Address of Customer**	**M/s. DECCALEAP TECHNOLOGY LLP** House No. 38, ahead of Westin Hotel, Next to Nandha Dental Care Koregaon Park Annexe Ghorpadi Pune, Maharastra 411001
2	**Customer's Reference**	IOCS Registration No. :CCTNDECLRJCTL161368
3	**Description of test component under test**	**Fire Detection And Alarm System (FDAS)**
3.1	**Name of the Manufacturer**	M/s. DECCALEAP TECHNOLOGY LLP
3.2	**Trade Name/Model**	F-Protekkt
3.3	**Part No. (For Assembly)**	DL01/FDAS/22
3.4	**Drawing Nos.**	DL/DW15022201
3.5	**Applicable Vehicle Category**	Buses
3.6	**Test Component Details**	As per Annexure I
4.	**Condition of Sample**	No physical damage observed.
5	**Date of Receipt of sample (DUT)**	22.09.2022
6	**Test Objective, procedure and Requirement of the test.**	To conduct test on Fire Detection and Alarm System (FDAS) as a component as mentioned at Sr. No. 3.0 above as per **Part 1 of AIS-135: 2016.**
7	**Functional Verification**	No functional verification required for this part.
8	**Date of performance of Test**	23.09.2022
9	**Test Procedure & Test Observations**	As per Annexure-II
10	**Conclusion**	The test component as mentioned above in Sr. No. **3.0**, met all the applicable requirements of **Part 1 of AIS-135: 2016**. The detailed component specifications are mentioned in **Annexure I** and The Test Procedure; Test Results & Test Set-up Photographs are given at **Annexure II.**

Prepared By	Checked By	Recommended By	Approved By
SITA KUMARI	AMOL KUMAR	AMIT KARWAL	MADHUSUDAN JOSHI
Asst. Manager	Deputy Manager	Deputy General Manager	Deputy General Manager

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10. The appropriate local court at Gurugram shall have the jurisdiction in respect of any dispute, claim or liability arising out of this report.

Prepared By	Checked By	
SITA KUMARI	AMOL KUMAR	
Asst. Manager	Deputy Manager	

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Annexure – I

1.0 DESCRIPTION OF TEST COMPONENT/S

Sr. No.	Parameters	Specifications
1	Make (Trade Name of Manufacturer)	**F-Protekkt**
2	Type/General Description	Fire Detection and Alarm System as a component
3	Type of fire detector (s) used	Linear Heat Sensor Cable– (Temp.: 187° C, Cable thickness: 3.8 mm), Model: ACI-LHS.
4	Name and address of manufacturer of the Fire detector	**M/s. Alankar Cable Industries** 112, Phase-2, Badli Industrial Area, Delhi 110042, India Part ID: 187-369, Model Name: ACI-LHS
5	Description of the device or sketch showing location relevant dimensions of fire detector	Refer Drawing: DL/DW15022201
6	Devices provided additionally Acoustic or visual. If visual, Duration and type of optical signal.	No
7	Test report no. complying to FM/UL standard for each supplier.	UL certificate: S35744
8	Make of Control Panel & Address	**M/s. DECCALEAP TECHNOLOGY LLP.** Plot No 13, 14 Gate No 156,154,168,170,171 Sanswadi Tal-Shirur Pune, Maharashtra 412208. Part ID:DL 01, Test Voltage :12 V
9	Make of Hooter/Flasher	M/s. DECCALEAP TECHNOLOGY LLP Part ID : DL 02

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Annexure – II

1.0 TEST REQUIREMENTS, RESULTS & OBSERVATIONS (as per Annex IV of AIS135:2016) :

Clause No.	Description	Test Results/ Observations	Remarks
1.0	**SPECIFICATIONS :**		
1.1	Fire detection & Alarm system (FDAS) conforming to this standard shall comply with the requirements of low fire load described in Appendix 1 as per Annexure IV of AIS-135 : 2016.	Complied	-
1.2	The test apparatus, test fires and general test conditions are described in Appendix 1 of AIS-135 : 2016.	Complied	-
2.0	**LOW FIRE LOAD :**		
2.1	The low fire load test shall be conducted in accordance with Appendix 3.	Complied	-
2.2	The detector/s will be mounted in the engine compartment in such a manner that there will be line of sight to at least one detector from any point surrounding the engine, in order to ensure optimal coverage of threats of fire liable to break out in the engine compartment.	Complied	-
2.3	The installation of the detectors will prevent mechanical damage that is liable to disrupt the operation thereof.	Complied	-
2.4	The command and control system will be mounted outside of the engine compartment, if possible.	Complied	-
2.5	The manual means of activation and warning will be positioned in the vicinity of the driver's dashboard.	Physical verification on the bus to be taken by Vehicle/Bus Body Building manufacturer.	-
2.6	The fire shall be detected and warning signal shall be activated within 10 seconds after ignition.	Fire detected and Alarm raised along with flasher in 9.8 Seconds	Complied
2.7	The test is considered passed if success was achieved at the first attempt or at two of three attempts in a case when first of these attempts fails.	Success in first attempt	Complied

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Annexure – II (Contd...)

Table (A) Low Fire Load Scenario (as per Appendix 3):

TIME REQUIRED (mm:ss)	ACTION	OBSERVATION / ACTUAL TIME RECORDED (mm:ss)	TEST RESULT
00:00*	Start Igniting	00:00	Complied
00:10*	Alarm should have activated automatically	00:9.8	

m= minutes, ss=seconds.

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