

FPBS 52100 Series

FLAME PROOF CONTROL STATION

FPBS 52102



FPBS 52102



FPBS 52105



Mechanical Data

- Material : Aluminium LM6
- Weight : FPBS - 52102 : 2.5 Kg
 FPBS - 52103 : 4.0 Kg
 FPBS - 52105 : 4.0 Kg
 FPBS - 52104 : 5.2 Kg
- IP Protection : IP 65 as per IS-12063/1987 (IEC 60529/1989)
- Finish : Anti corrosive Epoxy powder coated
- Cable Entry : 2 x 3/4 " ET
- Gasket : Neoprene
- Hardware : Stainless Steel
- Canopy : Optional

Electrical Data

- Wiring : PVC Insulated 1.5 sq.mm Stranded Copper
- Terminals : Refer Chart Below
- Earthing : External : 2 Nos - M6
 Internal : 1 No - M5

Description

Where several control & indication functions in a hazardous area are required to be operated from one location, they can all be mounted in an Explosion proof Control Station.

Series 52100 Control Stations are available with up to three separate enclosures for housing various control units and a separate integral terminal chamber. The clipon type terminals provided in the chamber are pre-wired to the control units through sealed cable bushes. A wide variety of control units can be selected for mounting into the enclosures. The control stations are also fitted with high quality neoprene gaskets to ensure weather proof protection.

Type of protection	Flame Proof - Exd
Area Classification	Zone 1 & 2
Gas Groups	Group I, II A ,II B
Apparatus Standard	IS-2148:2004(IEC 60079-1/2001)
CIMFR Certificate No.	CIMFR/TC/SR/H1267
Approvals	CCE,BIS

Option	Description	Cat. No.
1	1 Push Button	FPBS-52102
2	2 push Button	FPBS-52102
3	2 Push Buttons + Switch or Push Buttons	FPBS-52103
4	2 Push Buttons + Ammeter	FPBS-52105
5	2 Push Buttons + Indicating Lamp	FPBS-52103
6	2 Push Buttons + Switch + Ammeter	FPBS-52104
7	2 Push Buttons + Switch + Indicating Lamp	FPBS-52104
8	2 Push Buttons +Indicating Lamp+Ammeter	FPBS-52104

Cat No.	Max. no of Clipon Terminals				Weight (Kgs)	Max. No. Of Control Equipments
	2.5 mm ²	4 mm ²	10 mm ²	16 mm ²		
FPBS 52102	8	8	-	-	2.6	1
FPBS 52103	8	8	-	-	4.0	2
FPBS 52105	8	8	-	-		3
FPBS 52104	8	8	-	-	5.2	4-5

केन्द्रीय खनन एवं ईंधन अनुसंधान संस्थान

(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद)
बरवा रोड, धनबाद - 826015, झारखण्ड (भारत)



DUPLICATE COPY

CENTRAL INSTITUTE OF MINING AND FUEL RESEARCH

Formerly : Central Mining Research Institute
(COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH)
BARWA ROAD, DHANBAD - 826015, JHARKHAND (INDIA)

REGISTERED POST/COURIER SERVICE

No. CIMFR/TC/SR/ *H1267*
I.D. No. 940/07

Dated: *31/16* March, 2008
CODE NO. FLP/204U/08

To
M/S. BALIGA LIGHTING EQUIPMENTS PVT. LTD.,
389, MEDAVAKKAM ROAD, KOVILAMBAKKAM,
CHENNAI-600 117

Sub: Supplementary Testing for **REVALIDATION** as per IS: 2148-2004 (IEC 60079-1/2001) of your **Flameproof cum Weatherproof Control Station** in cast aluminium alloy LM-6 construction, designated by **Cat. No.: FPBS-52102** for use in Zone 1 & 2 and Gas Groups: I, IIA & IIB atmosphere only.

- **Report on (REVALIDATION)**

Your Ref. Appl. No.: CMRI/6/175/IIB

Dated: 12/12/2007

Dear Sir,

Please find enclosed the **Supplementary Test Report** for **REVALIDATION** of the above sample as per IS: 2148-2004.

The above apparatus was earlier certified as per IS: 2148-1981 vide CMRI Test Report No. V/1/1/994 Dated: 26/12/1989.

Charges of **Rs. 10,720/- (Rupees Ten thousand Seven hundred & Twenty only)** including applicable service charges involved towards the testing/issuing the schedule have been adjusted against the advance deposit made by you.

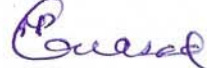
Kindly arrange to collect the sample within 90 days from the date of receipt of this letter failing which CIMFR would dispose off the sample by public auction without any further NOTICE to you.

Kindly acknowledge receipt.

Thanking you,

Yours faithfully,

Encl.: As above
Suppl. Report for Revalidation in Triplicate
Copy to: 1. Head, Flame & Explosion Lab.
2. Bill Section.


(G. M. PRASAD)
HEAD OF THE DEPARTMENT
TESTING CELL

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कार्यालय के दिन : सोमवार से शुक्रवार तक **Working days : Monday to Friday**