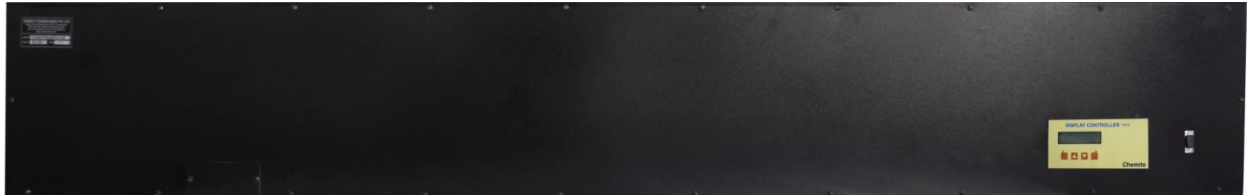**Chemito**

1.7   LED Display with Controller: Model No. BDC1800

(Used as Front Display with controller)

A) DIMENSIONS:

Display Size	1880 x 290 x 53 mm
Display Area	1805 x 212 mm
Character Height	205 mm

B) LED PARAMETERS:

Type of LED	Oval, 4.3 x 5.1mm diffused.
Color	Amber
Wavelength	591 to 595 nm Dominant Wavelength as per AIS-012 standard
Intensity	Multiplexed design (4:1) with 1560-2180 mCd at 20 mA
Viewing angle	120°H / 60°V
UV Resistant	Yes

C) ELECTRICAL PRAMETERS:

Operating Voltage	Nominal + 24V DC/+ 12 V DC
	Optional : Extended Supply Range 9 V to 36 V DC
Power Consumption	1 Amp. @ 24V DC
Protection	Reverse Polarity, Over voltage, Cranking voltage, Load Dump
	Resettable fuse inside the cabinet for over current
	Communication lines are protected against high voltage application and ESD

D) DISPLAY CHARACTERISTICS:

No. of Sides	Single sided
Line Matrix	16 Rows x 139 Column's
Pitch	13.0(H) x 13.4 (V)mm
Intensity of display	In-built light sensor with continuously variable brightness control to enable the display intensity to change based on ambient light conditions.
Viewing distance	50 meters minimum, for single line text in both Day and Night
Data interface	Via RS 485
Memory for display function	Ability to retain the last message displayed in event of power failure without the message being reloaded from Controller
In built controller	4 interactive keys to set Destination
	2 Line character LCD to display Destination to be set
	Easy selection of destination by Sr. no. or Route no.
	Backlight for LCD for operation in night time
	Placement of Controller near driver seat at right corner on rear side
	128 MB. Capacity to store up to 150 number of routes & 300 destinations
	Uploading of Route information via. USB
	Shall send the messages in scrolling, flashing (fully or selectively) in English &Regional Symbols as per predefined feed.

E) STRUCTURE:

Aluminum Cabinet , Powder Coated finish with Polycarbonate at front
Weight – 11kg
Mounting arrangement by roof hanging, wall mounting

F) TECHNICAL SPECIFICATION:

To display Bus number and Destination in Fixed, Scrolling and flashing mode formats with the help of Controller with fixed route number up to 6 characters with capability to show customized graphics
Display in English (2 lines) / Hindi(1 line) / Regional (1 line) Language
Total display height is capable to accommodate two lines in English language and the Individual heights of each line are adjustable to enable one line to be larger/smaller than the second line.

G) PART NO. DESCRIPTION:

BDC1800	F – when used as front	2 – 2 pin 250 series connector for P/S	L –Left cable entry
		3 – 3 pin 90 series connector for P/S	R – Right cable Entry

BDC1800 Available with Part Numbers:

BDC1800-F3L	Bus Display, J2 type, with 16 rows & 139 columns, used as front, with 3 pin, 90 series power supply connector and with cable entry on Left side.
BDC1800-F2L	Bus Display, J2 type, with 16 rows & 139 columns, used as front, with 2 pin, 250 series power supply connector and with cable entry on Left side.