

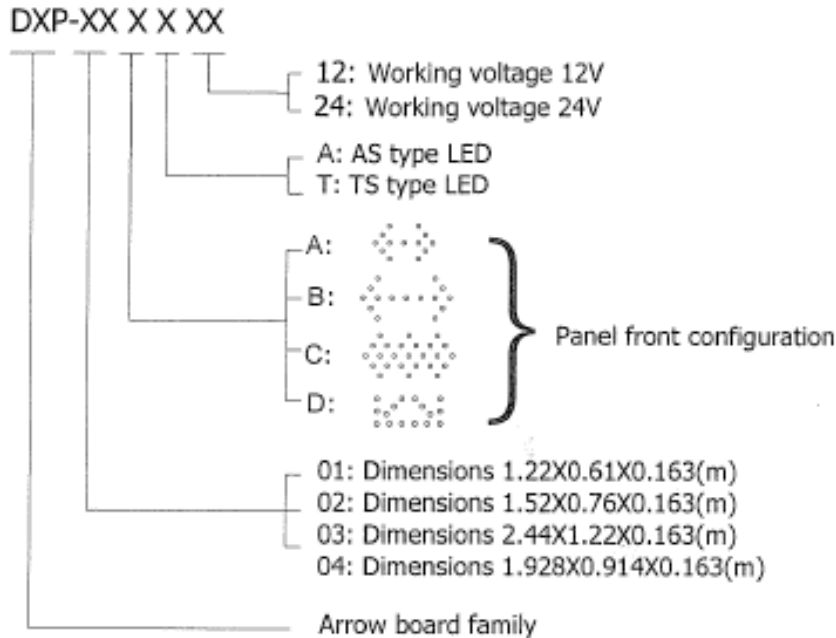
Arrowboard




Real-time display on dashboard mounted controller

User's Manual

I . DEFINITION



Example:DXP-O2CT12 means "arrow board with the size of 1.52X0.76X0.163m with the front panel configured  made with TS type LEDs and work on 12V power source."

2. Main features

- Luminous Intensity: $\geq 150\text{cd/head}$ (100% Brightness)
- Working Voltage: 12V(10.5~15V) or 24 V (22~28 V)
- LEDs used and power consumption:

MODEL	LEDs/head	Power Consumption	Remarks
DXP-XXAAXX	96	70	12V ONLY
DXP-XXBAXX	96	75	12V ONLY
DXP-XXCAXX	96	80	12V ONLY
DXP-XXDAXX	96	80	12V ONLY
DXP-XXATXX	28	23	12V/24V
DXP-XXBTXX	28	25	12V/24V
DXP-XXCTXX	28	27	12V/24V
DXP-XXDTXX	28	27	12V/24V

3. Construction and Installation

3.1 Construction (See Fig 1)

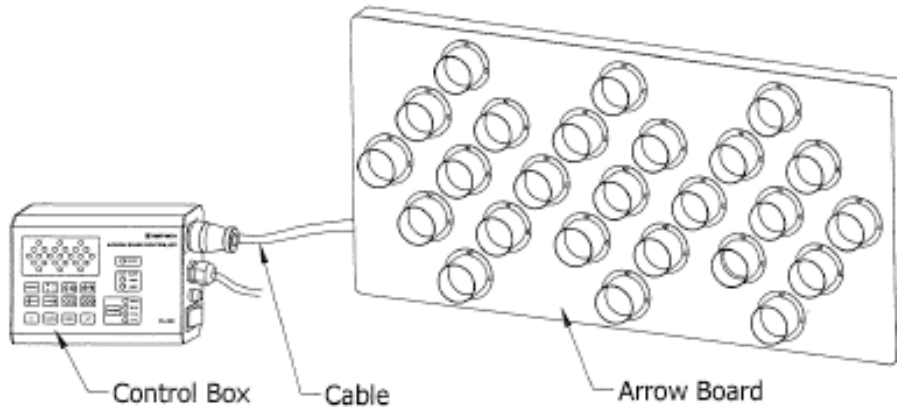
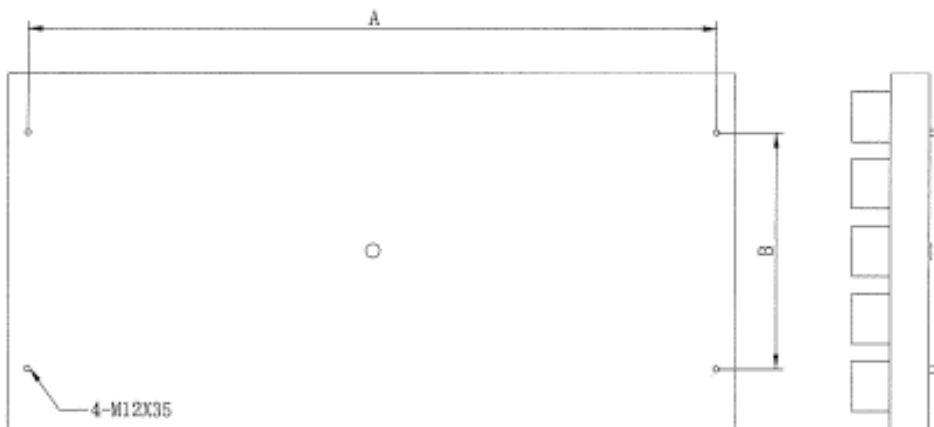


Fig 1

3.2 Installation of the Arrow Board: When mounting the arrow board ,please note the type and the positions of the 4 bolts on back of the board.(See Fig 2)

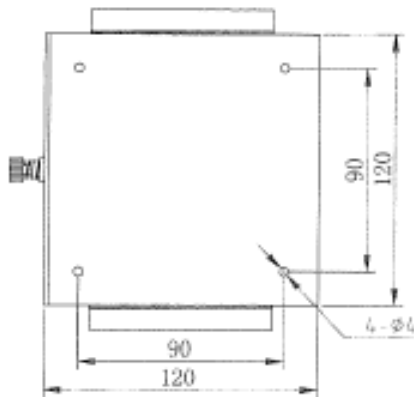


MODEL	Dimensions		Weight Kg
	A	B	
DXP-01XXXXXX	1140mm	350mm	16
DXP-02XXXXXX	1440mm	500mm	26
DXP-03XXXXXX	2360mm	820mm	51
DXP-04XXXXXX	1748mm	654mm	38

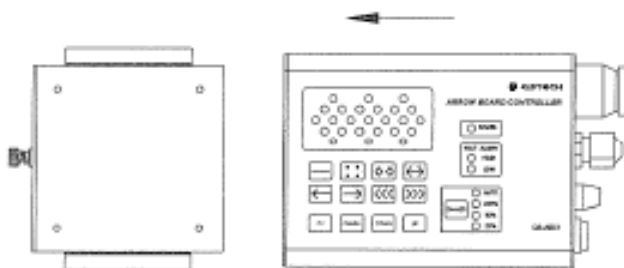
Fig 2

3.3 Installing the control box: The control box is usually installed inside the drivers' cabin . A proper position should be selected so as to let the box fit into the surroundings and be convenient for usage.

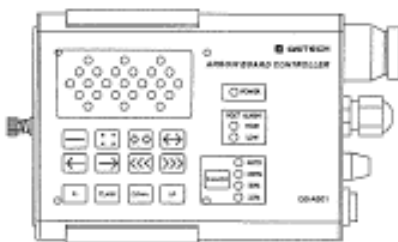
1) Fixing bracket of the control box:



2) Slide into the bracket from left

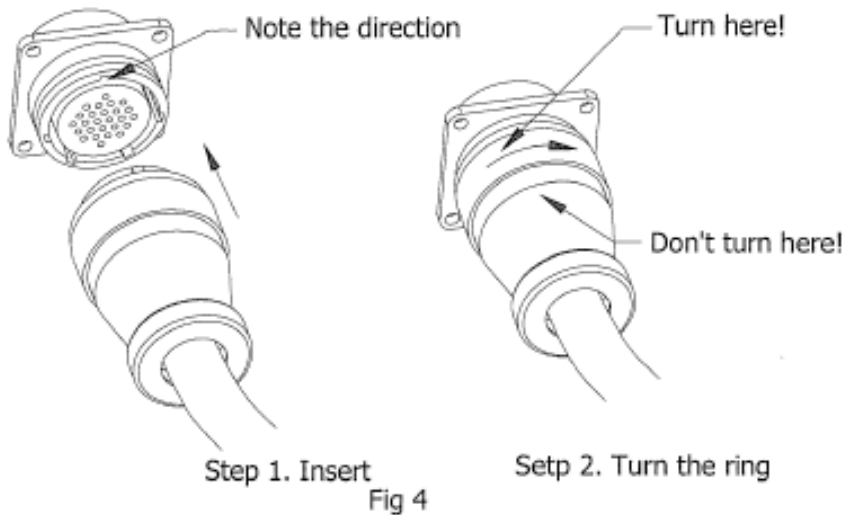


3) Fasten the screw on the right side



3.4 Cabling: There may be other cables in use on the truck. Follow the existing cables if possible. Use small strings or ropes to fix and secure the cable . Take protecting measures against sharp edges, abrasion, and extreme heat sources such as engine, exhaust, and mechanical transmission parts.

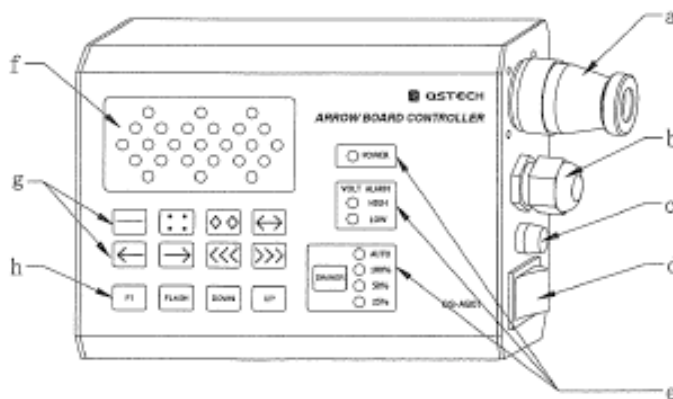
3.5 Cable connection (See Fig 4)



4. Functions of the Control Box

4.1 Model: QS-AB01

This control box can be used with the following arrow boards: DXP-XXAXXX, DXP-XXBXXX, and DXPCXXX.



QS-AB01

- a—Output Cable: Connect to the arrow board
- b—Power Input Cable: There are four wires. Connect the pair with a red wire to the positive pole. Connect the pair with a black wire to the negative pole
- c—Fuse

d—Power switch

e—Status indicator

- POWER : Power Indicator
- VOLT ALARM :

On an arrow board with input voltage being rated 12V, when the voltage drops beyond 10.5V, the indicator LOW blinks and the arrow board is switched off in order to protect the circuit. When the voltage is higher than 15V, the indicator HIGH blinks and the arrow board is switched off in order to protect the circuit.

On an arrow board with input voltage being rated 24V, when the voltage drops beyond 22V, the indicator LOW blinks and the arrow board is switched off in order to protect the circuit. When the voltage is higher than 28V, the indicator HIGH blinks and the arrow board is switched off in order to protect the circuit.

- **DIMMER** : Brightness control. You can set the brightness of the arrow board by pressing this button **DIMMER**.

AUTO: Auto dimming

100%: Full brightness

50%: Half brightness

25%: Quarter brightness

f—Operation emulator

- Displays the work status of the arrow board in normal circumstances.
- When certain light head on the arrow board is abnormal, the indicator corresponding to the light head blinks rapidly.

g—Alarm display mode:

- Alarm Signs : — :: ◇◇
- Turn left or right : ↔
- Turn left : ← <<<
- Turn right : → >>>

NOTES: On arrow boards with the model numbers of DXP-XXAXXX and DXP-XXBXXX, there are no " <<< >>> " functions. If you happen to choose them, the default settings for them are

" ← → "

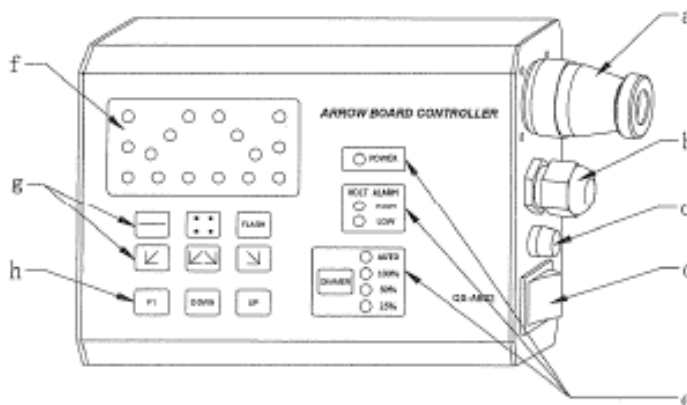
Similarly, if you choose " ◇ ◇ ", the default value is " :: "

h—Function selections.

- **F1** : Frequency of blinking: 2Hz, 1.5Hz, 1Hz
- **FLASH** : Switch between flash or move
- **DOWN** : Arrow board fold-down, not available in the current delivery.
- **UP** : Arrow board stretch-up, not available in the current delivery.

4.2 Model: QS-AB02

This model of control box can be used for arrow boards: DXP-XXDXXX



QS-AB02

The functions and operations of QS-AB02 are similar to those of the above described QS-AB01, except display mode selection and **FLASH**.

G—Display mode selection

- Alarm Signs : — ::
- Turn left or right : ↙ ↘
- Turn left : ↙
- Turn right : ↘

FLASH —There are two types of display in the "Turn left or right" mode.

Type 1: ↙ ↘ blink together

Type 2: ↙ , ↘ , ↙ ↘ alternatively

5. SPECIAL NOTICE

5.1 Choose the right model to match the voltage of your power source.

5.2 Never unplug the cables while connected to power source.

5.3 Don't try to open the cabinets. Consult authorized personnel for servicing.

5.3 The arrow board and control box are subject to changes without prior notice.