Interface Converter with Signal Tower

PHE-3FB3

2 WAY connection
PC
USB Bus power | RS 232C

- Signal tower features 3 LED colors and 2 flashing patterns
- Send ASCII commands over USB or RS-232C to control built-in signal tower
- Receive power over USB or a 24V DC supply source
- 4 built-in alarm sounds with adjustable volume up to 80 dB
- Built-in "Clear" button for quickly reverting the PHC to "default state" once an alert is confirmed
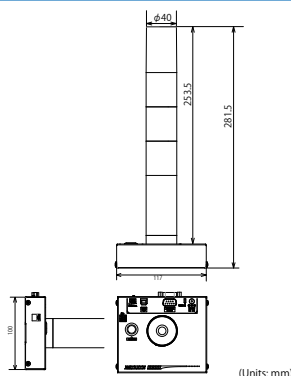
Signal Tower φ40 | Electronic sound 4 tones | Buzzer 80dB | Flashing 2 Patterns | USB | CE | RoHS | UL | FCC | KC

* N Type only   * N Type only

Specifications

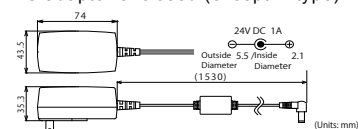| Model		PHE-3FB3-RYG / PHE-3FB3N-RYG (AC adaptor not included)
Rated Voltage	Main Unit	24V DC, 5V DC (USB bus power)
	AC Adaptor	Input: 100-240V AC (50/60Hz), Output: 24V DC
Operating Voltage Range		90 - 264V AC (When using AC adaptor)
Rated Power Consumption	Standby mode	1.2W (at 100V AC)
	Operating at Maximum	4.4W (at 100V AC)
Ambient Operating Temperature		0-+40 degree (Celsius)
Ambient Operating Humidity		20%-85% RH (no condensation)
Mounting location / direction		Indoors, Upright
Protection Rating		IP20
Mass		545g (not including adaptor)
Interface	USB port	Conforms to USB 2.0 (bus power support), Standard B type (female)
	Serial port	Conforms to RS-232C, D-Sub 9-pin (male)
Signal Tower *		Red, Amber, Green, Clear Lens
Audible sound pressure		80dB or more (at a distance of 1m, in front of Main Unit)
Accessory		AC adaptor (except N type), installation manual, rubber feet
Supported operating systems		Windows®7 (32bit, 64bit), Windows®8 (32bit, 64bit), Windows®8.1 (32bit, 64bit), Windows®10 (32bit, 64bit), Windows Server® 2008 R2, Windows Server® 2012, Windows Server® 2012 R2

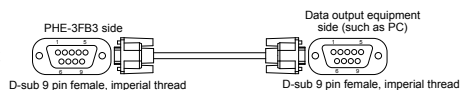* When operating on USB bus power, signal light is not as bright.

Dimensions (mm)

■ PHE-3FB3

φ40
253.5
281.5
117
100

(Units: mm)

■ AC adaptor enclosed (except N type)

74
43.5
35.3
24V DC 1A
Outside 5.5 /Inside 2.1
Diameter   Diameter
(1530)

(Units: mm)

■ Wiring for RS-232C port

PHE-3FB3 side
D-sub 9 pin female, imperial thread

Data output equipment side (such as PC)
D-sub 9 pin female, imperial thread

* RS-232C straight cable is not included in this product. Please provide your own.

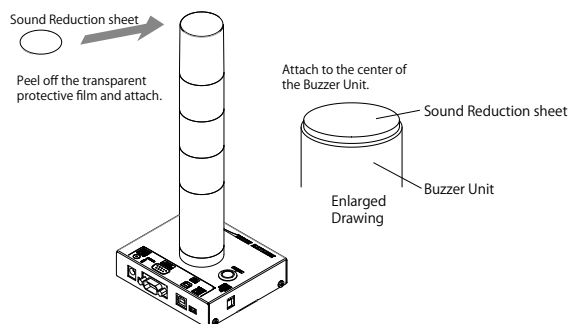| Signal name	Pin number		Pin number	Signal name
TXD	2		2	RXD
RXD	3		3	TXD
GND	5		5	GND
CTS	7		7	RTS
RTS	8		8	CTS

Model Code

PHE-3FB3☐-RYG

AC Adaptor
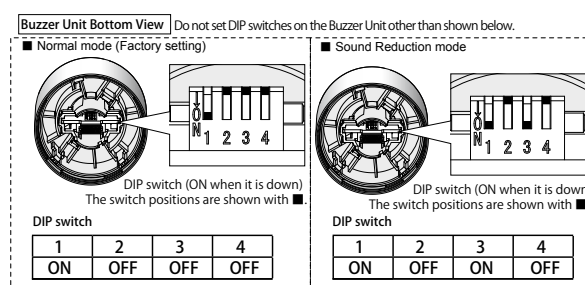Blank: AC adaptor included
N: AC adaptor not included

Adjusting Buzzer Volume

■ Using enclosed Sound Reduction sheet
Please attach the Sound Reduction sheet on top of the Buzzer Unit.

Sound Reduction sheet

Peel off the transparent protective film and attach.

Attach to the center of the Buzzer Unit.

Sound Reduction sheet

Buzzer Unit

Enlarged Drawing

■ Using the DIP switch in the Buzzer Unit
As shown below, please turn on the DIP switch 1 and 3 in order to reduce sound volume.

Buzzer Unit Bottom View Do not set DIP switches on the Buzzer Unit other than shown below.

■ Normal mode (Factory setting)

DIP switch (ON when it is down)
The switch positions are shown with ■.

DIP switch

1	2	3	4
ON	OFF	OFF	OFF

■ Sound Reduction mode

DIP switch (ON when it is down)
The switch positions are shown with ■.

DIP switch

1	2	3	4
ON	OFF	ON	OFF

Optional Parts

Dimmer Film
NHP-TF (for NHP-FV2/FB2/PHE-3FB3)