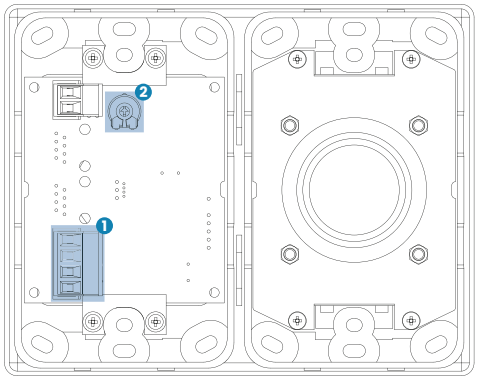

Figure 8: ASSIST System Indicator Rear Components

ASSIST System Indicator	
1	Bus Input
2	Volume Pot (2.1mm Slot Screwdriver)

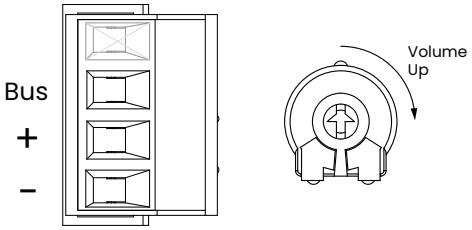

Figure 9: ASSIST System Indicator Bus Connector (Left)
Figure 10: ASSIST System Indicator Volume Pot (Right)

System Specifications	
Maximum Devices	20 (ASSIST Button & Local Indicator)
Alert Priorities	3 (Low, Medium, High)
Cabling	4-Core, 0.44mm^2
Network Topology	Tree
Max Cable Length	100m
Voltage	12VDC
Amperage (Controller)	2A per Connector

For more detailed installer instructions, including layout and wiring diagrams, refer to the ASSIST Notification System Installer Manual.

USER GUIDE

OVERVIEW

The **ASSIST Notification System** (ASSIST) by Miracle Electronics is a compact hard-wired solution allowing notifications to be raised and attended to in smaller installations where a full-scale nurse call system may be unsuitable.

The **ASSIST** system includes a **Controller** that supplies power and manages communication between components, **System Indicators** that provide both visual and audible alerts, and up to 20 **Buttons** for users to trigger and cancel notifications. Each **Button** may be linked to a **Local Indicator** that illuminates when the connected **Button** is activated.

NOTIFICATION TYPES

ASSIST supports three distinct notification types: **Red**, **Yellow**, and **Green**, representing **High**, **Medium**, and **Low** priority levels, respectively. The **System Indicator** and **Local Indicator** display the appropriate colour based on the priority, and the **System Indicator** sounder additionally emits tones that increase in speed to match the level of urgency.

RAISING A NOTIFICATION

The **ASSIST Button** can be pressed in the centre, as shown by the hand icon . Activations will illuminate connected **Local Indicators** and trigger **System Indicator** illumination and annunciation.

If multiple notifications of differing priority levels are active simultaneously, lower priority levels will not be displayed by **System Indicators** until any higher priorities are cancelled. **Local Indicators** will continue to display any activations of corresponding **Buttons**.

ATTENDING A NOTIFICATION

Upon notification from the **System Indicator**, responding personnel may use the **Local Indicators** to pinpoint the origin.

Notifications are then cancelled by pressing the smaller button, as indicated: **CANCEL** .

CLEANING MODE

ASSIST Buttons can be placed in cleaning mode by a triple-press of the cancel button. A unique tone will sound, the cancel button will begin flashing, and activations from the main button will be suspended for ~5-seconds.

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ASSIST

NOTIFICATION SYSTEM

INSTALLER & USER QUICK GUIDE

TEC-SD-00178-1.01

INSTALLER QUICK GUIDE

INSTALLATION LAYOUT

The **ASSIST Controller** is compact in design, making it ideal for installation in discreet locations that preclude accidental bumps or tampering. Installation central to other system components may help reduce overall cabling requirements. **Controllers** feature a DC power input, power and status LED, and component bus ports with fault LED. Power adapters should be labelled, warning not to remove or switch off.

The **ASSIST System Indicator** should be installed in an easily monitored location, such as reception areas or staff rooms. A secondary **System Indicator** (sold separately) may be installed to capture other high-traffic zones. Notification volume can be adjusted using the rear volume pot.

ASSIST Buttons should be installed in an easily identifiable location, placed suitably for the needs of the notifier. **Buttons** may be daisy-chained with bus cabling.

ASSIST Local Indicators are used for locating notification origin, and should be placed where they can be noticed from commonly used routes while still accurately indicating the notification point, such as above exterior door frames. **Local Indicators** are a one-to-one connection to **Buttons**, separate from bus cabling.

SETUP

Each **ASSIST Button** requires a unique address. **Buttons** configured with the same address number will report an error by flashing the LED backlight and beeping.

A rotary switch on the rear of the **Button** is used to set the address 0-9, and a high/low switch offsets the address number, allowing up to 20 **Buttons** to be connected to a **Controller**. No more than 10 **Buttons** with **Local Indicators** should be connected to any one **Controller** port.

Buttons feature a rear auxiliary dry contact input, allowing other interconnected devices to trigger notifications.

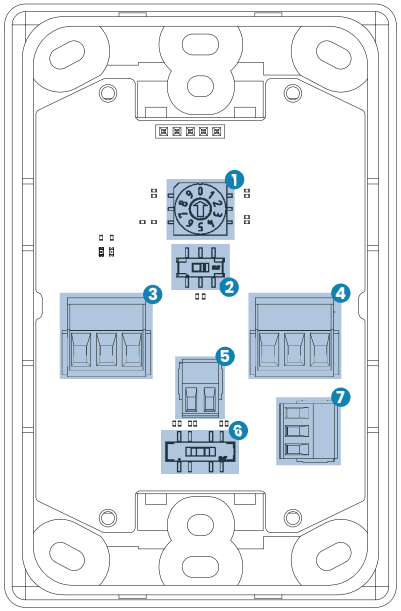

Figure 1: ASSIST Button Rear Components

ASSIST Button	
1	Rotary Address 0-9
2	Address Low/High
3	Bus Input
4	Bus Output
5	ASSIST Local Indicator Connection
6	Priority Level Switch
7	Auxiliary Input

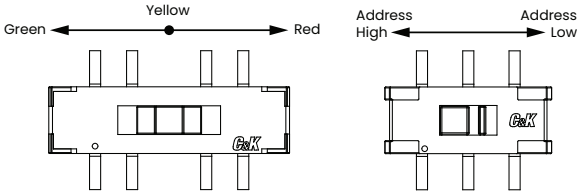

Figure 2: ASSIST Button Priority Switch (Left)
Figure 3: ASSIST Button Address Switch (Right)

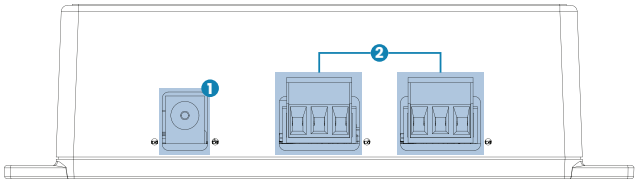

Figure 4: ASSIST Controller Components

ASSIST Controller	
1	DC Power Input (12V)
2	Bus Connectors

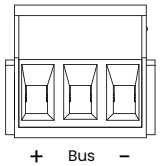

Figure 5: ASSIST System Bus Terminal (3-Position Connector)

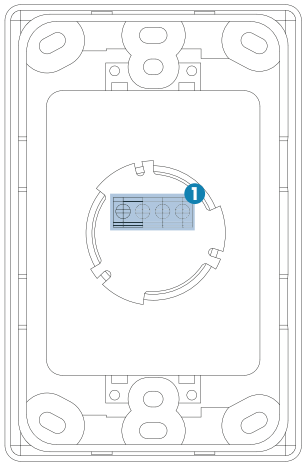

Figure 6: ASSIST Local Indicator Components

ASSIST Local Indicator	
1	ASSIST Button Connection

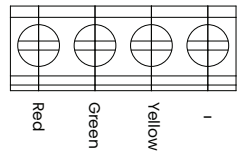

Figure 7: ASSIST Local Indicator, Button Connector Terminals