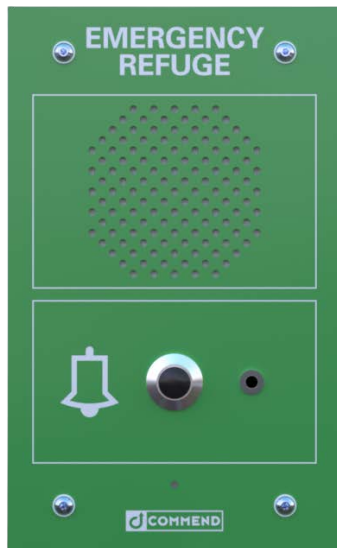


Y-UK-SP401D Series

Disabled Refuge



Y-UK-SP401D/GREEN



Y-UK-SP401D/AFIL

BS 5839 P9
Compliant

IP65
Rated

Suitable for
Remote
Locations

Self
Diagnostic
Reporting

Loud
&
Clear

Up to
16kHz

Overview

Manufactured as a highly visible green (RAL 6024) coated Disabled Refuge Station, which is operated handsfree once the call is established. This station comes in either flush or surface mounting formats.

The station is equipped with a prominent button for making calls and dependent on programming (speak/listen) answering calls. A red LED indicates the refuge station's status.

As per BS 5839 pt 9 section 11.5.2, the colour for evacuation and firefighting equipment should be green. However, in situations where the Disabled Refuge signage is green, and the station needs to contrast with the surface for clear visibility, special colours can be provided on a bespoke basis.

These stations utilise high-performance DSP which provide full OpenDuplex® speech quality, enabling clear voice communications in areas of high ambient noise.

Acoustic monitoring of the loudspeaker and microphone is carried out every 60 minutes (programmable 1-63 mins). An acoustic test is automatically performed on all intercom stations to ensure loudspeakers and microphones are functioning to predefined audible standards. If the microphone/loudspeaker is electrically present and functioning, but its

aperture is obstructed, an acoustic malfunction occurs an alarm raises at the remote control station.

The system can be programmed so that the refuge stations are operational only when activated by the fire alarm or by authorised personnel. Switchable speak/listen facility is standard. A tamper alarm giving an audio and visual indication at the station is available as an option.

Features and highlights

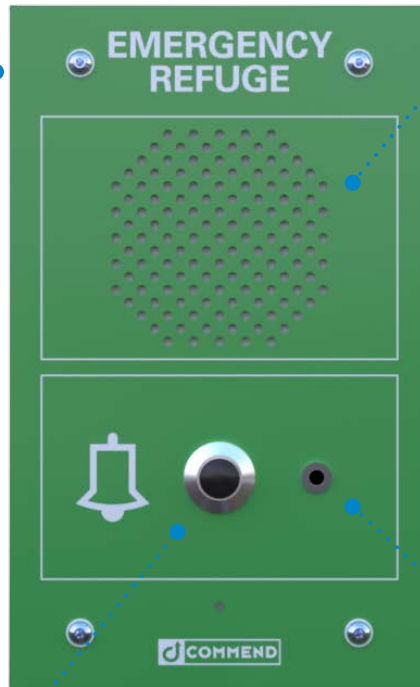
- IP65 rated
- BS 5839 Pt 9 compliant
- Loud and clear speech
- System monitored for failure
- Up to 16kHz speech quality for optimum intelligibility
- Full OpenDuplex®

The provision and nature of both Emergency Voice Communication (EVC) and Disabled Refuge systems are stipulated by the British Standards BS 5839 pt 9 and BS 9999. Commend EVC systems have been purposely configured to meet these requirements for all evacuation phases and emergency communication needs.

Key benefits at a glance

Manufactured as a highly visible green (RAL 6024) coated Disabled Refuge Station, which is operated handsfree once the call is established. This station comes in either flush or surface mounting formats.

Crystal clear speech quality enables perfect communication between speaker and receiver.

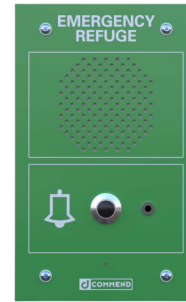


The station is equipped with a prominent button for making calls and dependent on programming (speak/listen) answering calls.

A red LED indicates the refuge station's status.

Y-UK-SP401D Series

Technical Specifications



Technical data

	Digital (Y-UK-SP401D/Green)	IP (Y-UK-SP401D/IP/Green)	SIP (Y-UK-SP401D/SIP/Green)
Loudspeaker:	80 ohm 20W	80 ohm 20W	80 ohm 20W
Microphone:	Electret microphone Part No. H-EFX63M	Electret microphone Part No. H-EFX63M	Electret microphone Part H-EFX63M
Inputs:	3 inputs for floating contacts	3 inputs for floating contacts	3 inputs for floating contacts
Outputs:	2 relay 30 V/1 A: 100,000 make-and-break cycles	2 relay 30 V/1 A: 100,000 make-and-break cycles	2 relay 30 V/1 A: 100,000 make-and-break cycles
Frequency Range:	200-16,000 Hz	50-16,000 Hz	300-7,000 Hz
Operating Temperature Range:	-20° C to + 60° C (-4° F to 140° F)	-20° C to + 60° C (-4° F to 140° F)	-40° C to + 70° C (-40° F to 158° F)
Storage Temperature Range:	-20° C to + 60° C (-4° F to 140° F)	-20° C to + 60° C (-4° F to 140° F)	-40° C to + 70° C (-40° F to 158° F)
Relative Humidity:	Up to 95%	Up to 95%	Up to 95%
Connection:	Screw terminals	RJ45	RJ45
Cabling:	Star feed, 2 wires, twisted pair to required spec (firetuf)	Firetuf Data Min.Cat 5	Firetuf Data Min.Cat 5
Power Supply:	From Intercom Server	POE IEE 802.3af	POE IEE 802.3af

Design

Housing:	1.2mm zintec
Finish:	Silk screen colour - white Material - front panel, zintec - 2 mm
Dimensions:	Surface - 212 H x 130 W x (at top) 88 D mm Flush (panel) - 212 H x 130 W x 2 D mm Flush (conduit box) - 190 H x 105 W x 65 D mm
Colour:	Green (RAL 6024)
Compliance:	BS 5839 pt 9

Other Technical Data

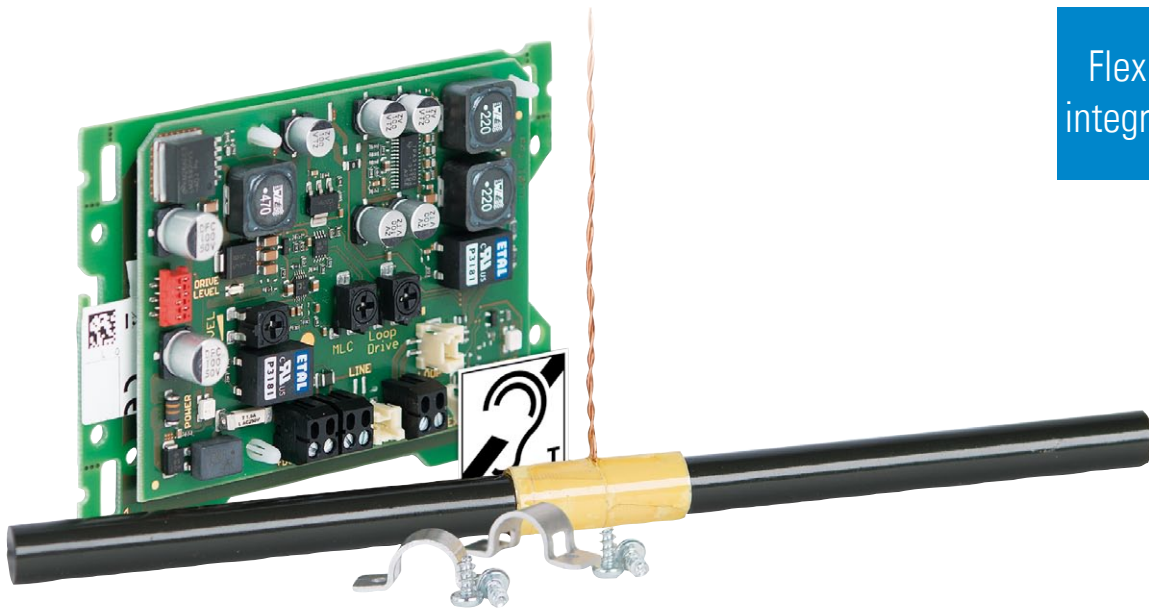
- Digital Only; Up to 1 Km with FP Plus (Enhanced according to BS 5839:2002) Up to 1km with CW1308 or Cat 5 cable
- IP; Firetuf data BS 5839, 90m Cat 5 minimum

Model Numbers

Model No:	Y-UK-SP401D/ Green	Y-UK-SP401D/IP/ Green	Y-UK-SP401D/SIP/ Green	Y-UK-SP401D/ AFIL
Type:	Hardwired Digital	IP (IoIP)	SIP (SIP)	Hardwired Digital

WSEBIL

Y-UK-SP401D/AFIL Version Only



Flexible
integration

IEC 60118-4
compliant



Commend – Communication and security for everyone

Induction loop amplifier modules for sound transmission to hearing aids are an essential part of Commend's product portfolio. Upgrading WS stations to barrier-freeness has never been easier. As an add-in circuit board with on-board induction loop, the module may be small in size but is a huge advantage for users of hearing aids. Designed specifically for public locations such as building reception areas or on-street help points, the modules deliver Intercom audio in high Commend quality directly to hearing aids. Being hard of hearing doesn't have to be a barrier – especially with Commend induction loop modules. Take the opportunity to upgrade your system to barrier-freeness and provide optimum conditions for all Intercom users with the benefits of the world's leading Intercom technology.

Features and Highlights

- A fully integrated, IEC 60118-4 compliant induction loop system enables wearers of hearing aids to receive Intercom audio signals in clear, uninterrupted quality.
- Flexible integration into vandal resistant or polycarbonate WS stations without camera or TFT-display
- Energy-efficient and power-saving technology with low heat generation.
- Functions as MLC (Metal Loss Correction) and AGC (Automatic Gain Control) for easy startup and faultless operation.

Y-UK-SP401D Series Installation Instructions

Mounting instructions

- Do not expose the stations to extreme temperatures ("Technical data" see TE | 1).
- Observe the country-specific standards for installation, mounting and configuration.
- When opening the stations, ESD precautions must be observed.
- The stations may only be opened by authorised service engineers.

Dimensions

Measuring units in mm (inch), not to scale!

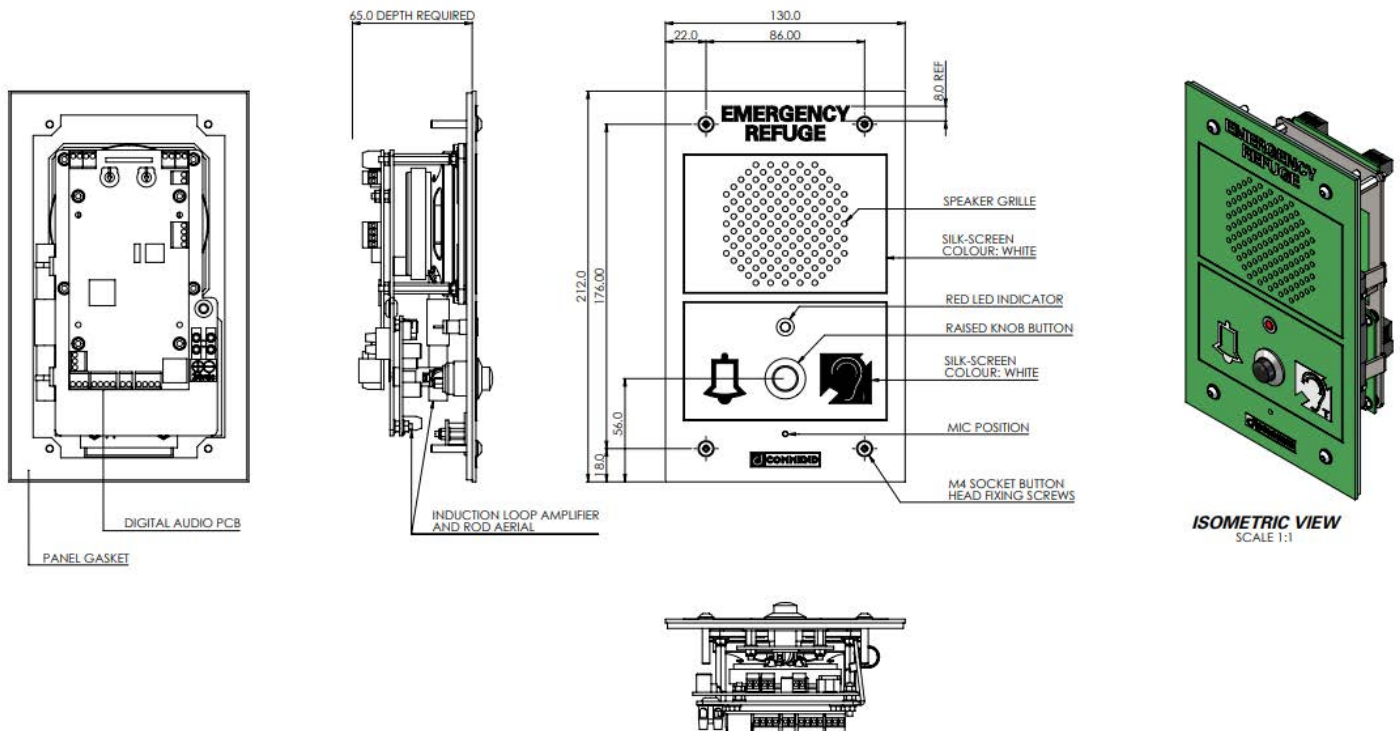
Y-UK-SP401D/GREEN, Y-UK-SP401D/IP/GREEN, Y-UK-SP401D/SIP/GREEN, Y-UK-SP401D/AFIL

Digital IP / Size A unit

Silk-screen colour: white

Material: Front panel, zintec - 2.00mm

Finish: Front panel painted green to RAL 6024



Dimensions

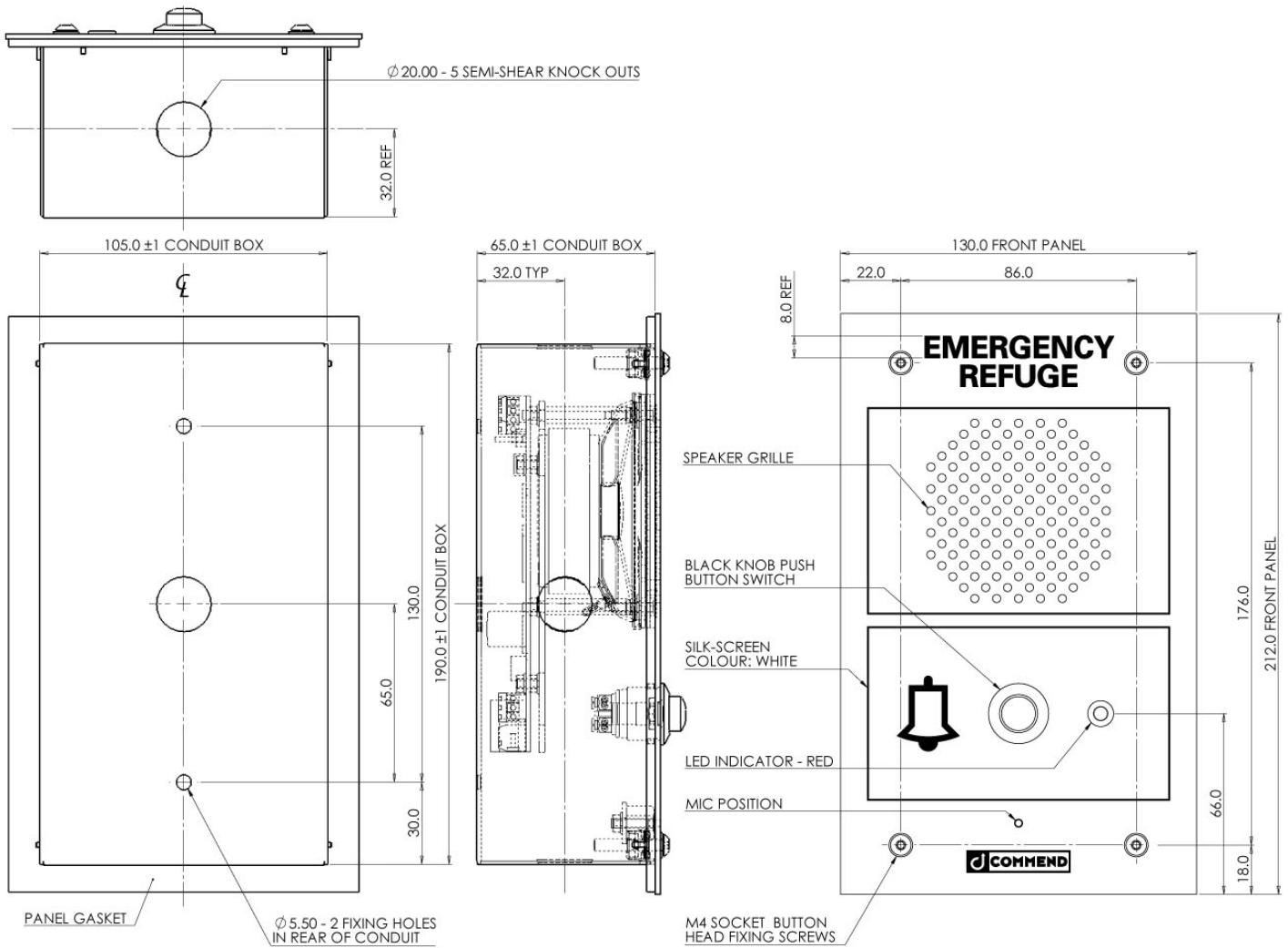
Measuring units in mm (inch), not to scale!

Conduit: Y-UK-SBA/ZIN, Flush mount backbox

Digital / Size A unit

Material conduit box: zintec - 1.20mm

Finish conduit box: natural



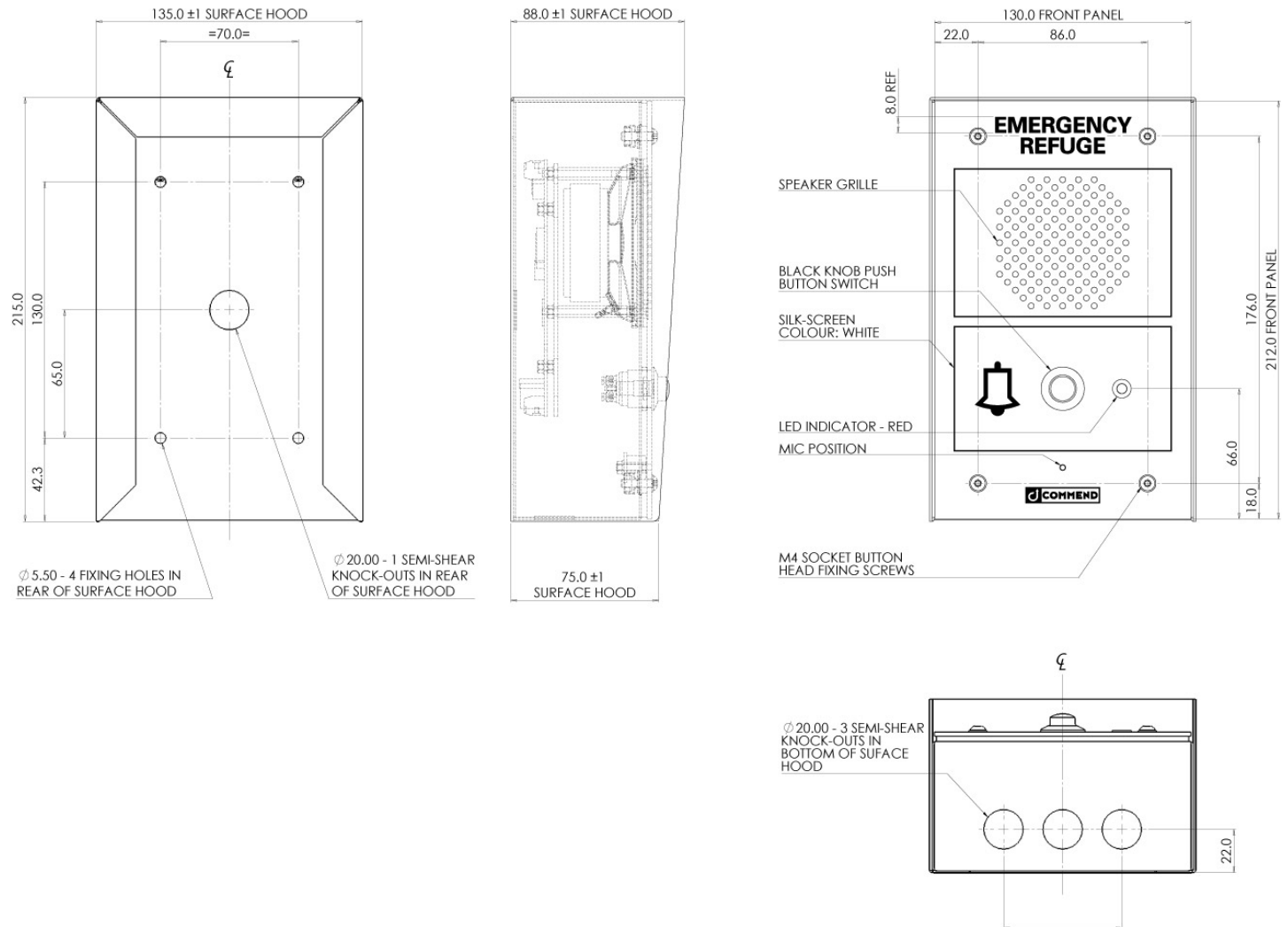
Dimensions

Measuring units in mm (inch), not to scale!

Hood: Y-UK-SH400/Green, surface mount

Material surface hood: zintec - 1.00 & 1.20mm

Finish surface hood: painted green to RAL 6024



Quality tested. Reliable. Smart.

COMMEND products are developed and manufactured by Commend International in Salzburg, Austria.

The development and manufacturing processes are certified in accordance with **EN ISO 9001:2015**.

The technical data contained herein has been provided solely for informational purposes and is not legally binding. Subject to change, technical or otherwise. lolP®, OpenDuplex® and Commend® are trademarks registered by Commend International GmbH. All other brands or product names are trademarks or registered trademarks of the respective owner and have not been specifically earmarked.

A strong worldwide network

COMMEND is represented the world over by local Commend Partners and helps to improve security and communication with tailored Intercom solutions.

COMMEND UK LTD

Unit 20 M11 Business Link, Parsonage Lane
Stansted
Essex, CM24 8GF
UK

Tel: 01279 872 020
sales@commend.co.uk
www.commend.co.uk