

3006200038

## VSP-5004/1

Ex Buffer Unit w 1x Zener Barrier



- ✓ Intrinsically safe buffer unit for mounting in safe area
- ✓ Supports up to 4 Ex(i) telephones - VSP-512
- ✓ 4x 24V DC outputs to Ex signal units
- ✓ 4 call signal outputs to safe area
- ✓ Delivered in a painted steel cabinet for wall mounting
- ✓ Preinstalled 1 zener barrier (2 ext.) for 24V DC I.S. sounder in zone 0
- ✓ (½ x zener barrier for each sounder)

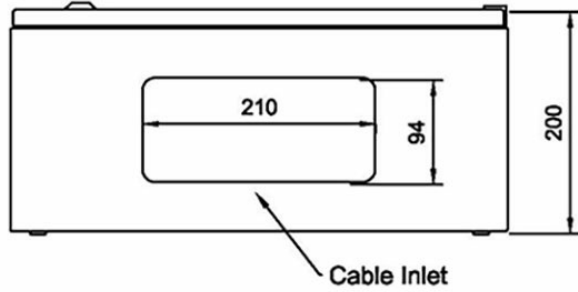
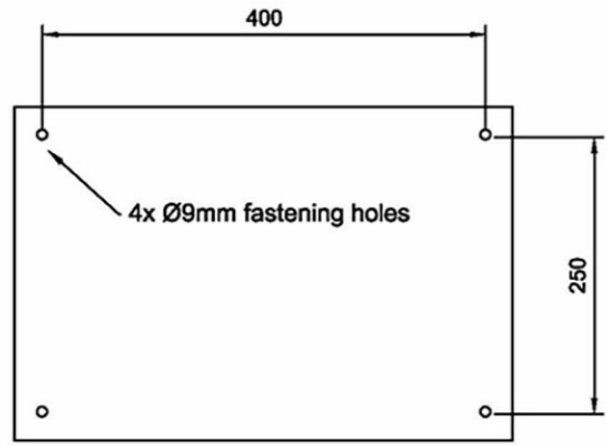
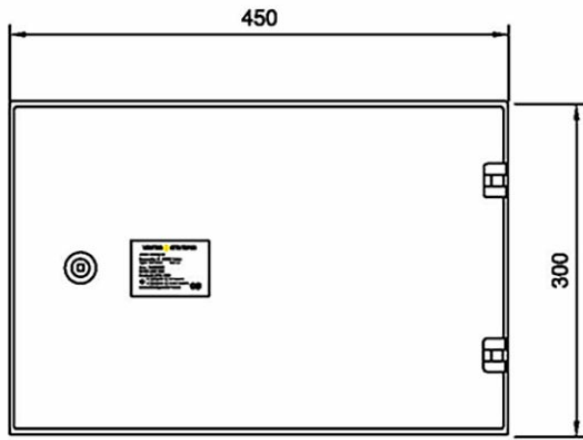



## Description

Ensures uninterrupted communication between Ex- and safe zone in a Batteryless telephone system (VSP). To be mounted in Safe area with Barriers into the Hazardous (Ex) area. It accommodates up to 4 Batteryless telephones within the system, enabling seamless communication. Call signals are distributed in the Hazardous area via EX(d) signal units controlled by relay outputs. Encased in a durable painted steel cabinet designed for wall mounting. It is preinststalled with 1 zener barrier (2 extension numbers) for 24V DC sounders in zone 0 guaranteeing reliable operation and enhanced safety in hazardous environments.

- ✓ Type Nos. for buffer units with other configurations:
- ✓ VSP-5004 with no additional zener barriers (Only Ex(d) sounders)
- ✓ VSP-5004/2 with 2x zener barriers (4 ext. No./ I.S. Sounders)

## Technical Dimensions



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|--|
|  ATEX Approved product |
| Certification body<br>Nemko  |
| Certificate no.<br>Nemko: 05 ATEX 1059   |
| Protection system<br>II (1)G [EEx Ia] IIC Ta: 60°C   |

# Specifications

## GENERAL

|                    |   |
|--------------------|---|
| Dimensions (WxHxD) | 450 x 300 x 200 mm                          |
| Mounting           | Wall mounted                                |
| Weight             | 11.0 kg                                     |
| Housing            | Steel cabinet                               |
| Color              | Beige / RAL 7032                            |
| Cable entry        | Pre-cut cable inlet in bottom               |
| Connections        | Screw terminals                             |
| Operation voltage  | 24V DC                                      |
| Power Consumption  | 10W (max)                                   |
| Protection mode    | Ex II (1) G EEx ia IIC T6                   |
| Certificate        | Presafe 15 ATEX 6475 /<br>IECEX PRE 15.0024 |
| IP-rating          | IP-44                                       |

## Used With



### VSP-512

Intrinsically Safe Operating Unit